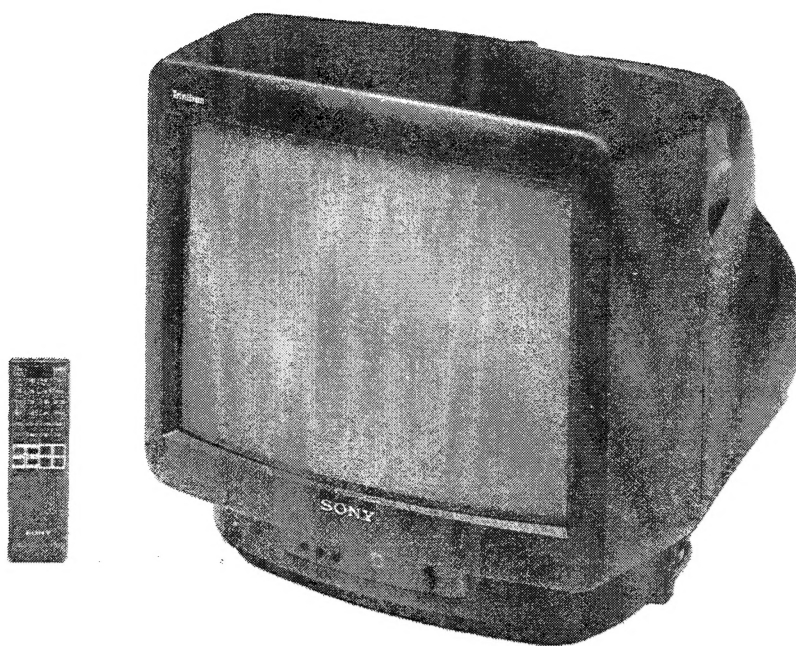


# SERVICE MANUAL

## BE-2A CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-M1400K	RM-841	OIRT	SCC-E50G-A	KV-M1401D	RM-841	AEP	SCC-D85M-A
KV-M1401K	RM-841	OIRT	SCC-E50F-A	KV-M1400E	RM-841	Spanish	SCC-D87N-A
KV-M1400A	RM-841	Italian	SCC-D78J-A	KV-M1400U	RM-841	UK	SCC-D86Q-A
KV-M1400B	RM-841	French	SCC-E24G-A	KV-M1401U	RM-841	UK	SCC-D86P-A
KV-M1400D	RM-841	AEP	SCC-D85N-A	KV-M1400L	RM-841	Irish	SCC-D88H-A




TRINITRON® COLOR TV  
**SONY®**

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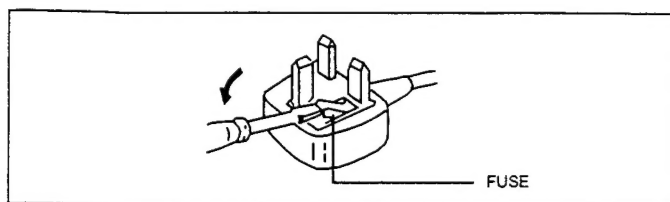
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**WARNING ( UK MODELS ONLY )**

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by **ASTA to BS 1362**, ie one that carries the  mark.


**IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET.**

When an alternative type of plug is used it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.

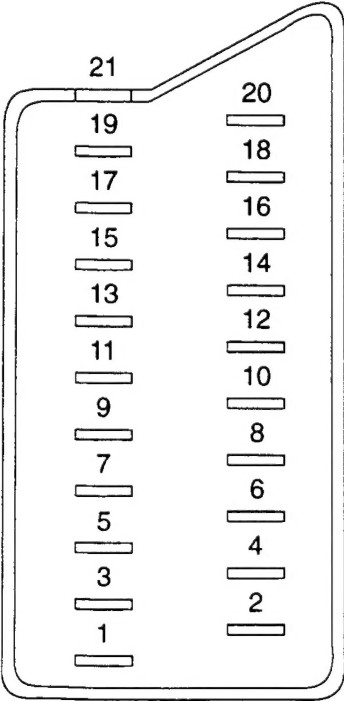
**CAUTION**


**SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.**






















**SAFETY RELATED COMPONENT WARNING !!**

**COMPONENTS IDENTIFIED BY SHADING AND MARKED WITH  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

1-1. 21 PIN CONNECTOR



21 pin connector (1 )

Pin No		Signal	Signal level
1		Audio output B (right)	Standard level: 0.5Vrms Output impedance:less than 1kohm*
2		Audio input B (right)	Standard level:0.5Vrms Input impedance:More than 10kohms*
3		Audio output A (left)	Standard level:0.5Vrms Output impedance:less than 1kohm*
4		Ground (audio)	
5		Ground (blue)	
6		Audio input A (left)	Standard level:0.5Vrms Input impedance:More than 10kohms*
7		Blue input	0.7V±3dB, 75ohms, positive
8		Function select (AV control)	High state (9.5—12V):Part mode Low state (0—2V):TV mode Input impedance:More than 10kohms Input capacitance:Less than 2nF
9		Ground (green)	
10		Open	
11		Green	Green signal:0.7V±3dB. 75ohms, positive
12		Open	
13		Ground(red)	
14		Ground (blanking)	
15		Red input	0.7V±3dB, 75ohms, positive
	—	(S signal) chroma input	0.3V±3dB, 75ohms, positive
16		Blanking input (Ys signal)	High state (1—3V) Low state (0—0.4V) Input impedance:75ohms
17		Ground (video output)	
18		Ground (video input)	
19		Video output	1V±3dB, 75ohms, positive Sync:0.3V(—3, +10dB)
20		Video input	1V±3dB, 75ohms, positive Sync:0.3V(—3, +10dB)
	—	Video Input/Y (S signal)	1V±3dB, 75ohms, positive Sync:0.3V(—3, +10dB)
21		Common ground (plug, shield)	

 connected

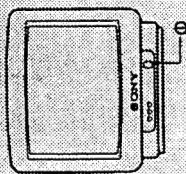
 unconnected (open)

\* At 20 Hz—20kHz

Instructions shown here are partial excerpts from the Instruction Manual. The pages of the Instruction Manual are included here in their original state.

1-2. Switching on/off

After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V AC, 50Hz).

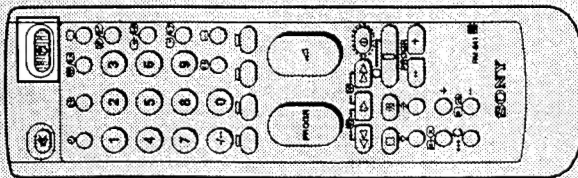


How to turn the TV on

Action	Result
Press  on the TV.	The TV will turn on. Note: if the screen remains blank, the TV may be in the standby mode. Press  on the commander to switch it on.

How to turn the TV off

<b>A Temporarily</b> Press  to enter standby mode.	The TV will be in standby. To return to the TV mode press .
<b>B Completely</b> Press  on the TV.	The TV will turn off.

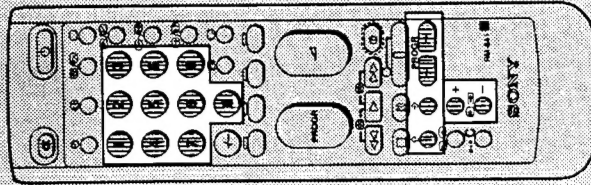


1-3. Presetting of channels

After having installed the TV, you now need to preset TV channels. Up to 60 programme positions are at your disposal. For channel presetting use the buttons with the red symbols on the Remote Commander.




Automatic presetting of channels

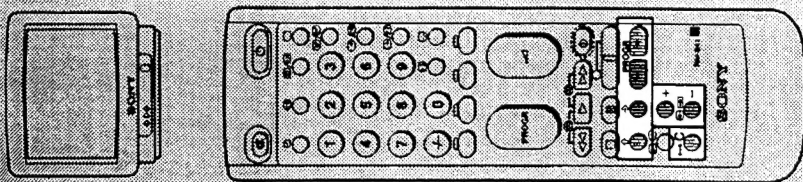
Action	Result
<b>1</b> Press both the  SHIFT button and the  PRESET button simultaneously.	You are now in the preset mode. The programme number flashes.
<b>2</b> Press either the number buttons or PROGR +/- to select the programme number on which you want to preset the channel. 1 2 3 4 5 6 7 8 9 Note: in case of two digit numbers, first press +/-, then the two numbers.	The selected programme number will be indicated.
<b>3</b> Press both the  SHIFT button and the  PRESET button repeatedly, until the desired channel is tuned in.	The scale with the frequency band changes.
<b>4</b> Repeat steps 3 and 4 for all other channels.	
<b>5</b> Press both the  SHIFT and the  PRESET buttons simultaneously to store the channels.	All channels are now stored. The programme number stops flashing.





**How to skip programme positions**  
Since you have 60 programmes at your disposal, you may want to skip vacant programme positions, that means that they are skipped when you press the PROGR +/- buttons.

<b>Action</b> <b>1</b> Press both the $\Delta$ SHIFT button and the $\rightarrow$ PRESET button simultaneously.	<b>Result</b>  You are now in preset mode, the programme position flashes.
<b>2</b> Use PROGR + or - to select the programme position you want to skip.	<b>Result</b>  The selected programme position appears.
<b>3</b> Press both the $\Delta$ SHIFT button and the button C simultaneously.	
<b>4</b> Press both the $\Delta$ SHIFT button and the $\rightarrow$ PRESET button simultaneously.	<b>Result</b>  The programme position is now skipped. You are back in TV mode.



**How to fine tune a channel manually**  
If the reception of a stored channel is not satisfactory, you can fine tune the channel manually.

<b>Action</b> Press both the $\Delta$ SHIFT button and the $\rightarrow$ + or - button simultaneously until the reception is good.	<b>Result</b> The channel is now fine tuned.
---	---

**Note:** By pressing the respective programme number the automatic fine tuning will be restored.

This section shows you how to use the convenient features available for operating the TV.

**How to select programmes**

<b>Action</b> Press PROGR +/- or the respective number button on the Remote Commander. In case of two digit numbers first press +/- and then the two respective number buttons.	<b>Result</b> The selected programme is displayed.
<b>On the set:</b> Press the + or - button for programme selection.	

**How to adjust the volume**

<b>Action</b> Press $\Delta$ + or -.	<b>Result</b> The $\Delta$ symbol and the level indicator are displayed on the screen. The volume is adjusted accordingly.
<b>Muting of the sound</b> Press button $\boxtimes$	<b>Result</b> The sound is switched off. Press the button again to restore the sound.
<b>On the set:</b> Press button $\boxtimes$ repeatedly in order to select the desired item, then adjust with the + or - button.	

**How to adjust the picture**

<b>Action</b> <b>1</b> Press button $\boxtimes$ repeatedly, until the desired item is displayed ( $\boxtimes$ contrast, $\boxtimes$ colour intensity, $\boxtimes$ brightness).	<b>Result</b> The symbol and the respective bar display are displayed.
<b>2</b> Press button + or -.	<b>Result</b> The selected picture item is adjusted accordingly.
<b>On the set:</b> Press button $\boxtimes$ repeatedly in order to select the desired item, then adjust with the + or - button.	

**To return to factory-set levels**  
Press the  $\rightarrow$   $\leftarrow$  button.

**Other functions**

**On-screen display**  
Press the  $\boxtimes$  button to display the programme number on the screen and press the button a second time to make it disappear.

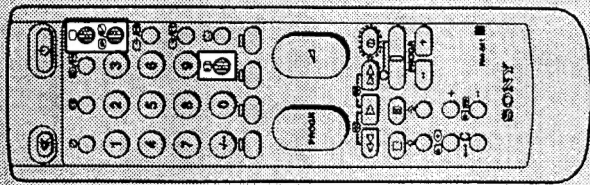
**Selecting the signal of a connected device**  
Press the  $\boxtimes$  button to receive the signal of the device (e.g. a VTR) connected at the 21-pin connector (rear of the set). Press the  $\boxtimes$  button to return to the TV mode (see also page 27).

**Time function**  
Press  $\boxtimes$  to request the time. Press again to cancel the request (only if teletext is broadcast).






**Sleep Timer**  
Press the  $\boxtimes$  button repeatedly until the required time period is displayed on the screen (30, 60, 90 minutes or 0 for cancelling the request). In this way you can select the time period after which the set switches itself automatically into standby-mode.


Teletext Operation

TV stations broadcast teletext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the Remote Commander.








How to view the teletext
















Action	Result
<b>1</b> Select the channel which carries the teletext service you wish to view.	The channel changes on the screen.
<b>2</b> Press   .	The teletext service appears. 
<b>3</b> Input three digits for the page number using the number buttons. <b>Note</b> If you make a mistake, type in any three digits, then re-enter the correct page number.	The numbers are entered on the screen. The requested page will appear in a few seconds.
To return to the TV mode: Press  . To change the teletext channels: First press  to return to TV mode, then repeat steps 1 to 3.	

**Note**  
If the signal of the TV channel is weak, teletext errors may often occur.  
The  button has no function on this set.

How to use the Advanced Features of Teletext

How	Action	Result (on-screen display)
Request the index page.	Press  .	The index page appears. 
Access the next or preceding page.	Press  (PAGE +) or  (PAGE -).	The next or preceding page appears. 

Teletext Operation

How to	Action	Result
Superimpose the teletext display on the TV programme.	Press  once if you are in text mode, or press  twice if in TV mode. To return to the normal teletext display press  again.	The teletext displays are superimposed on the TV programmes. 
Prevent a teletext page from being updated or changed.	Press  (HOLD). To resume normal teletext reception, press  (TEXT/MIX).	The HOLD symbol  appears on the screen and the chosen sub-page is held until you cancel. 
Enlarge the teletext display.	Press  once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	The upper half is enlarged. 
Reveal concealed information (e.g. answers to a quiz).	Press  (REVEAL). Press again to conceal the information.	The information is revealed. 
Watch the TV programme while waiting for a requested page to be displayed.	1. Request a new page.	The numbers are entered.
	2. Press  (TEXT CL).	The TV programme is displayed, and the requested page number and other teletext data appear at the top of the screen.
	3. When the requested page has been captured, the page number remains and the other data disappears.	
	4. Press  to view this page	The requested page is displayed.

Some of the features may not be available depending on the Teletext service.

How to use the FASTEXT Feature

FASTEXT feature allows you to access pages quickly with one key operation. When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the four coloured buttons of your Remote Commander.

Operation

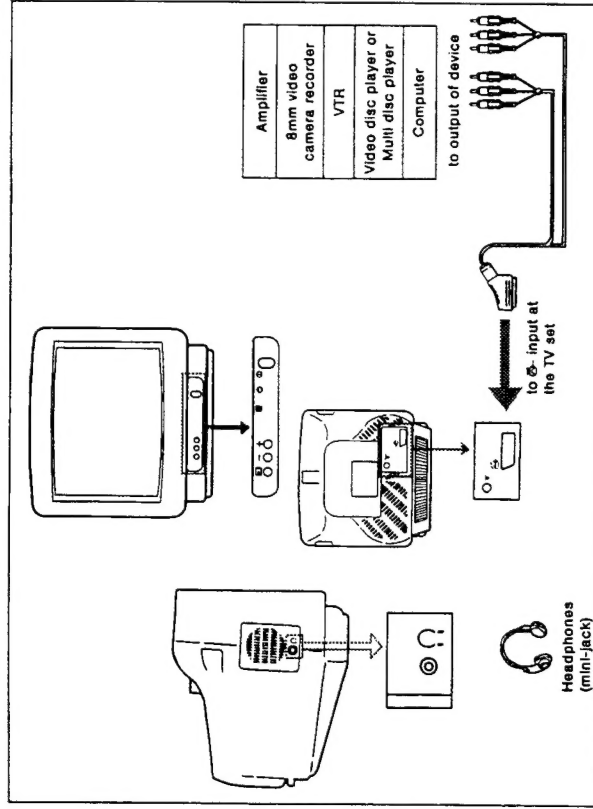
Action	Result
Press one of the coloured buttons which corresponds to the coloured prompt on the teletext.	The selected teletext page appears.

**Note**  
Correct FASTEXT operation depends on the necessary signals sent from the TV station.  
Some TV stations may not send signals for the FASTEXT.

## Optional connections/operations

1-6.

### How to connect additional audio/video equipment



### How to view the Video input signal

Press button **G** repeatedly in order to select the desired input mode (**G** for Audio/video signals from 21-pin EURO connector **B** or from the video/audio connectors V **G** A on the front; **B** for S-video signals from the S-video (4-pin DIN) connectors on the front). Press button **O** to return to TV mode.

#### On the set:

Press button **B** once, the symbols **O**, **G**, **B** will appear on the screen, then press the + button to select the desired video input mode. Press **B** and + buttons again to return to TV-mode.

#### Note

- In case of sound or picture distortions move the VTR away from the TV set.

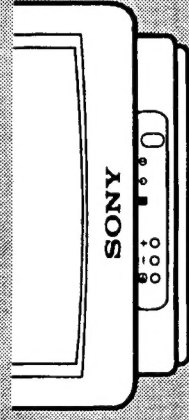
27

## Additional information

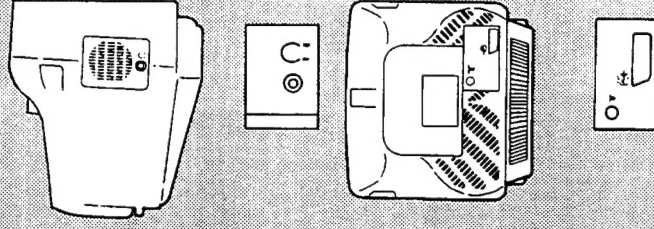
1-7.

### Parts identification

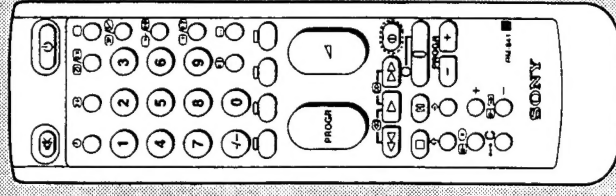
#### TV Set - Front



#### TV Set - Rear



#### Remote Commander



28

## Additional Information

1-8.

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

### TV Set

Symbol	Function	Page
	Main power switch	21
	Standby indicator	21
	Programme selector	22
	Sound and picture adjustment/input selection	24
	Headphone jack (mini-jack)	27
	21-pin connector (rear of set)	27
	Aerial socket (rear of set)	20

### Remote Commander

Symbol	Function	Page
	Button for switching the TV set into standby mode	21
	Used to return to TV-mode from standby and video input modes	21
	Number buttons – in case of two digit numbers first press button --/-- and then two number buttons	22
	Programme scanning buttons	22
	Preset mode on/off buttons	22
	Functions only in combination with other buttons	22, 23
	Button for clearing a programme position (in preset mode)	23
	Buttons for manual fine tuning of a channel/presetting	23
	Mute button	24
	Select button for picture adjustment item	24
	Buttons for adjusting picture items	24
	Button for resetting the picture adjustment items to standard	24
	Buttons for adjusting the volume	24
	Button for activating the sleep timer	24
	On/off button for onscreen display	24
	Time feature (only for KV-M1401D)	24
	Teletext buttons (only for KV-M1401D)	25, 26
	FASTEXT Buttons (only for KV-M1401D)	25
	Button for selecting the video input mode	27

**Note:**  
Buttons not referred to in this index have no function.

### Troubleshooting

Here are some simple solutions to the problems which affect the picture and sound.

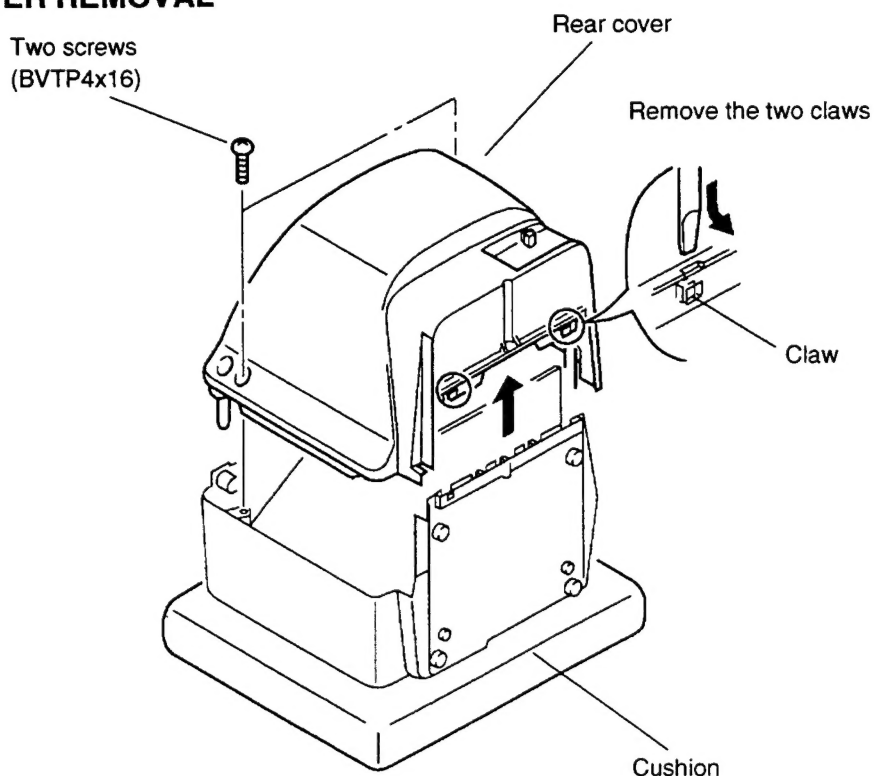
Problem	Solution
No picture (screen is dark), no sound	<ul style="list-style-type: none"> <li>• Plug the TV in.</li> <li>• Press  on the TV. (If  indicator is on, press  or the programme number on the Remote Commander).</li> <li>• Check the aerial connection.</li> <li>• Check if the selected video source is on.</li> <li>• Turn the TV off for 3 or 4 seconds and then turn it on again using .</li> </ul>
Poor or no picture (screen is dark), but sound good	<ul style="list-style-type: none"> <li>• Adjust ,  by pressing the + button after selecting with the  button.</li> </ul>
Good picture but no sound	<ul style="list-style-type: none"> <li>• Press  +.</li> <li>• Disconnect the headphones.</li> <li>• If  is displayed on the screen, press .</li> </ul>
No colour for colour programmes	<ul style="list-style-type: none"> <li>• Adjust  with the + button after selecting with the  button.</li> <li>• Press  -- -- on the Remote Commander.</li> </ul>
Remote Commander does not function	<ul style="list-style-type: none"> <li>• REPLACE THE BATTERIES</li> </ul>

If you continue to have these problems, have your TV serviced by qualified personnel. Never open the casing yourself.

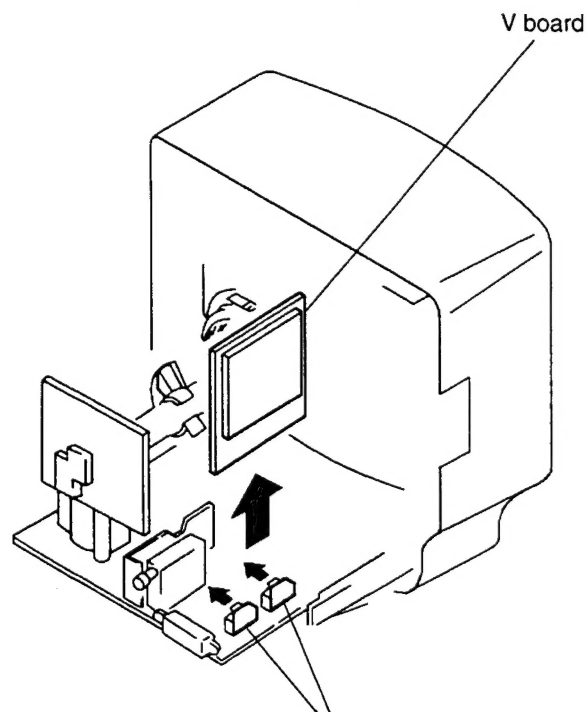
## This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

## SECTION 2 DISASSEMBLY

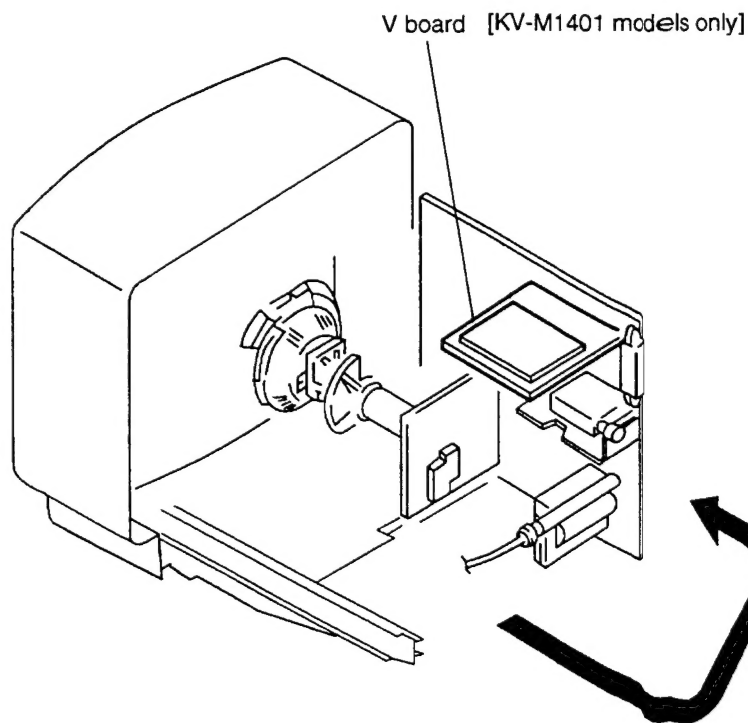
### 2-1. REAR COVER REMOVAL



### 2-2. V BOARD REMOVAL [KV-M1401 models only]

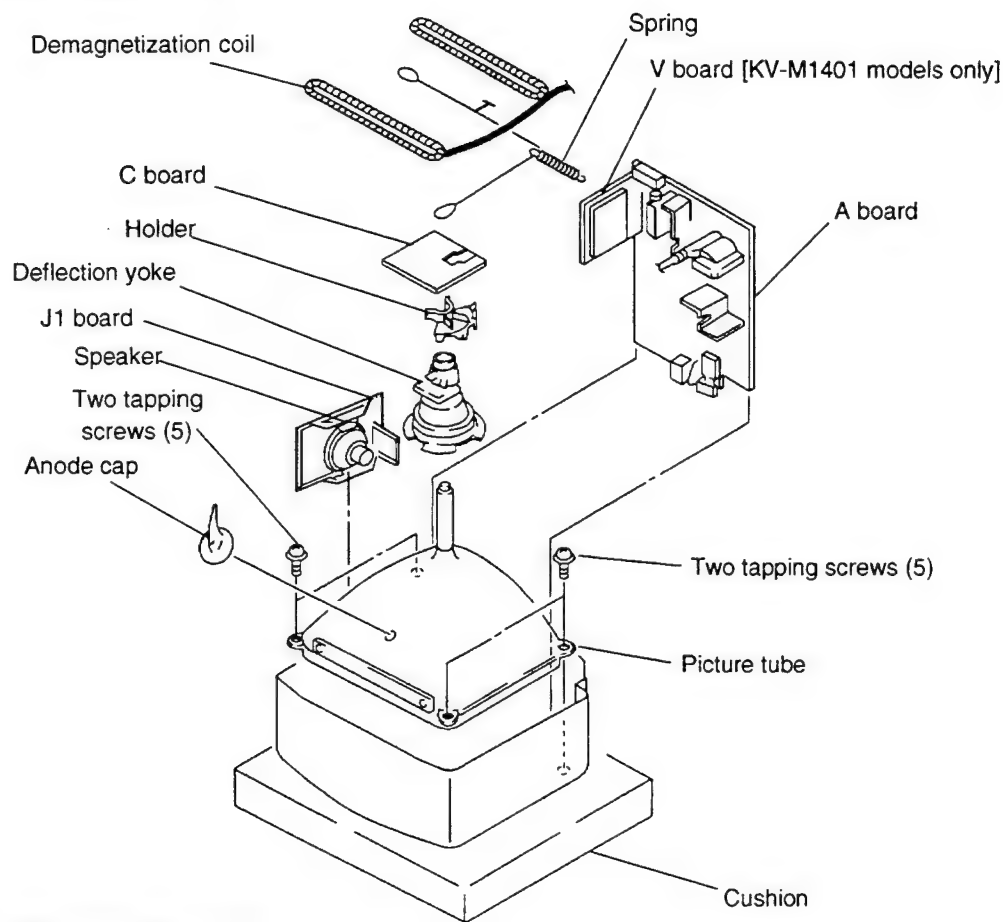


### 2-3. SERVICE POSITION





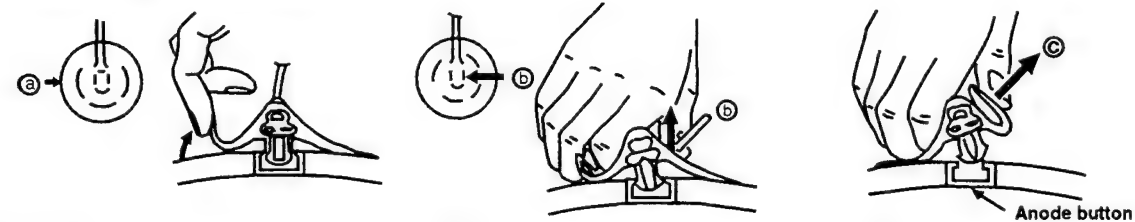
2-4. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

**Note:** Short circuit the anode of the picture tube and the anode cap to the metal chassis.  
CRT shield or carbon paint on the CRT, after removing the anode.

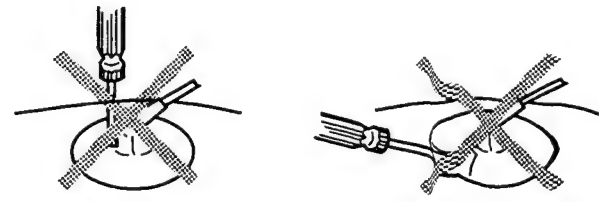
\* REMOVING PROCEDURES.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②
- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③

• HOW TO HANDLE AN ANODE-CAP

- ① Don't damage the surface of anode-cap with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !  
A metal fitting called as shatter-hook terminal is built into the rubber.
- ③ Don't turn the foot of rubber over hardly !  
The shatter-hook terminal will stick out or damage the rubber.



## SECTION 3

### SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch below should be set as follows unless otherwise noted:

● CONTRAST control ..... 80%  
(or Normal by commander)

✱ BRIGHTNESS control ..... 50%

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2) and White Balance

Note: Test Equipment Required.

1. Color bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

#### Preparation:

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

### 3-1. BEAM LANDING

Demagnetize with a degausser.

1. Input a raster signal with the pattern generator.  
CONTRAST } normal  
BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides evenly.  
(Fig. 3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and blue and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corner is not right, adjust by using the disk magnets. (Fig. 3-4)

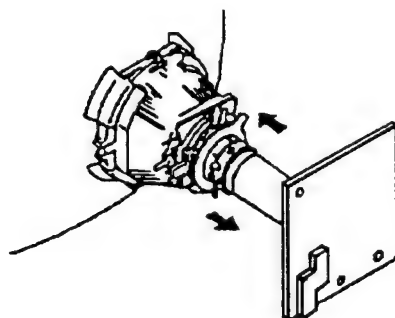


Fig. 3-1

Fig. 3-2

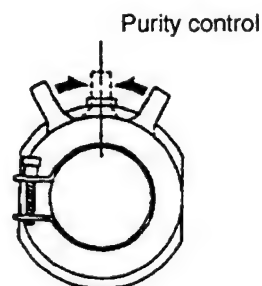


Fig. 3-3

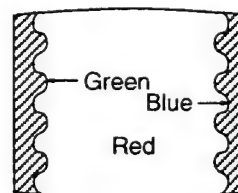
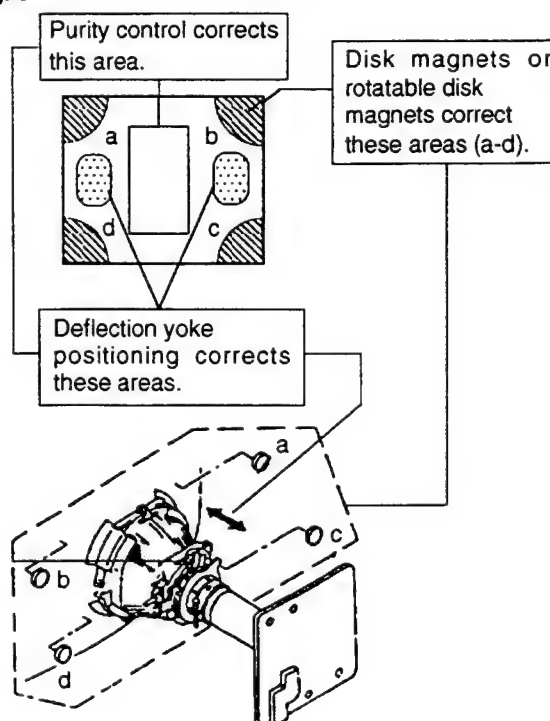


Fig. 3-4

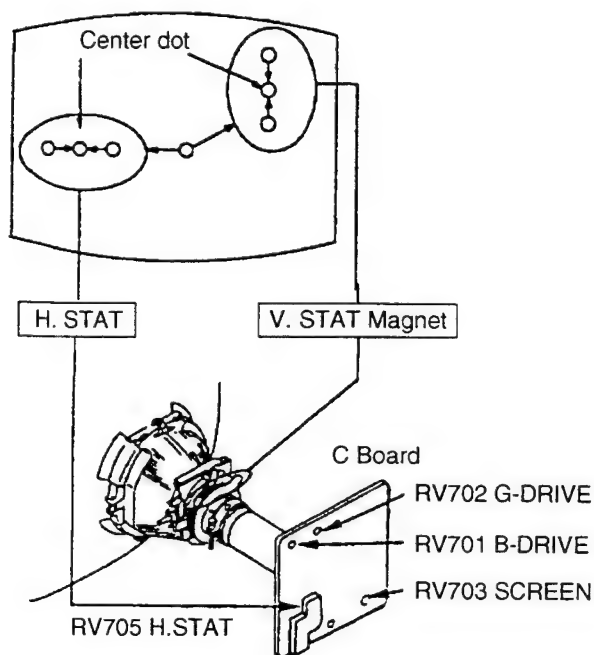


## 3-2. CONVERGENCE

### Preparation:

- Before starting, perform FOCUS, H.SIZE. and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

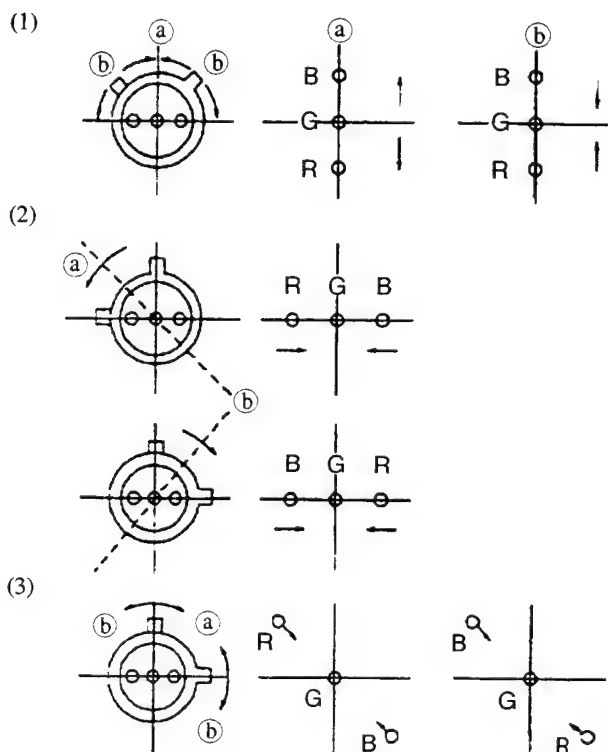
### (1) Horizontal and Vertical Static Convergence



1. Adjust H.STAT VR to converge red, green and blue dots in the center of the screen. (Horizontal movement)
  2. Adjust V.STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
  3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)
- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.

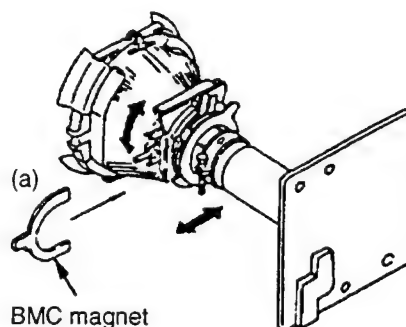


4. When the V.STAT magnet is moved in the direction of arrows (a) and (b) the, red, green and blue dots move as shown below.



If the red and blue dot do not converge with green dots, perform following steps.

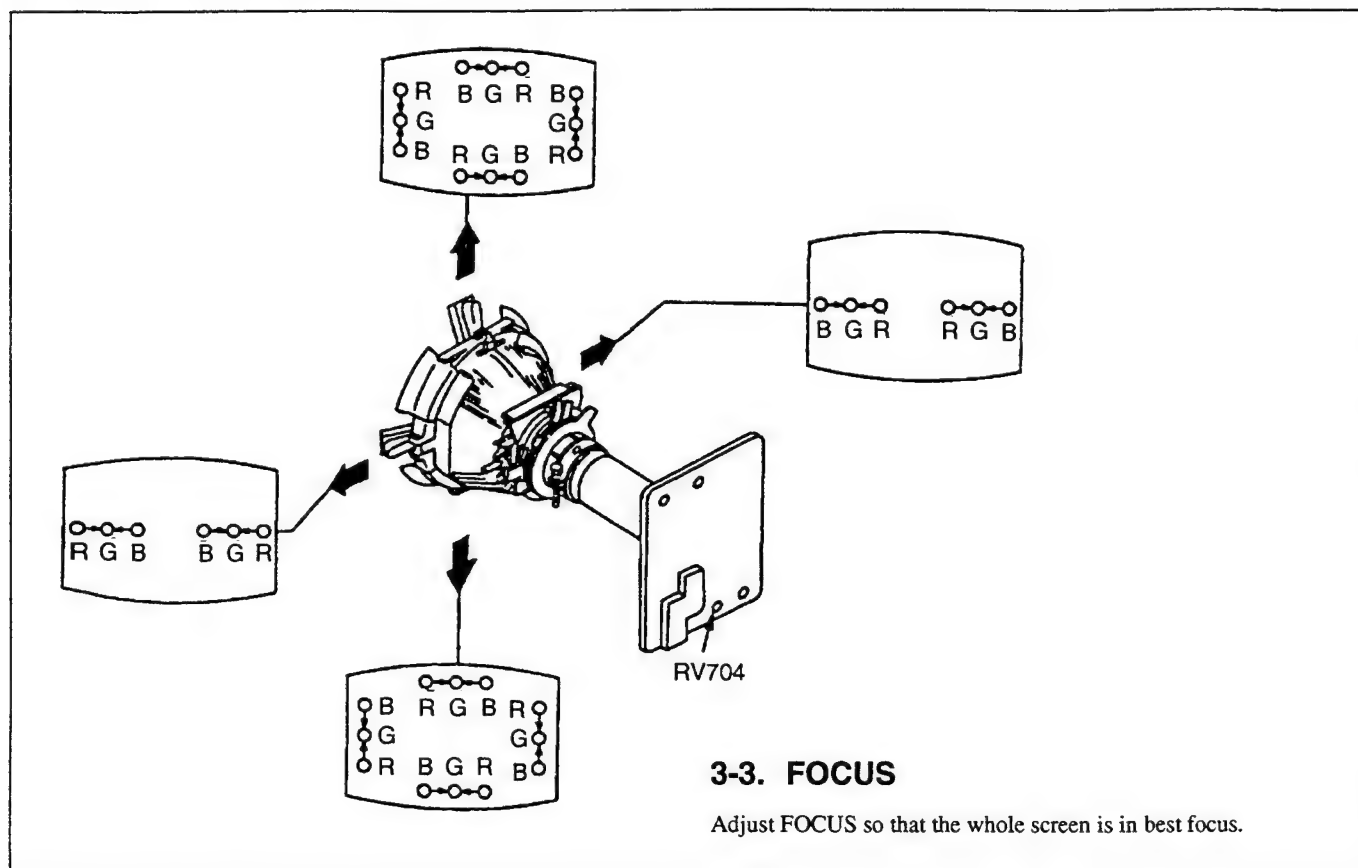
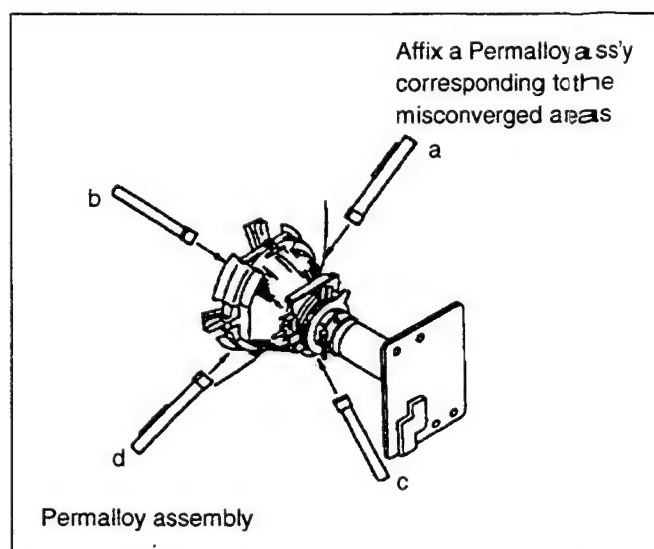
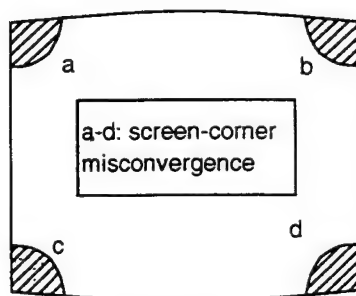
Move BMC magnet (a) to correct insufficient H.static convergence. Rotate BMC magnet (b) to correct insufficient V.static convergence. In either case, repeat Beam Landing Adjustment.



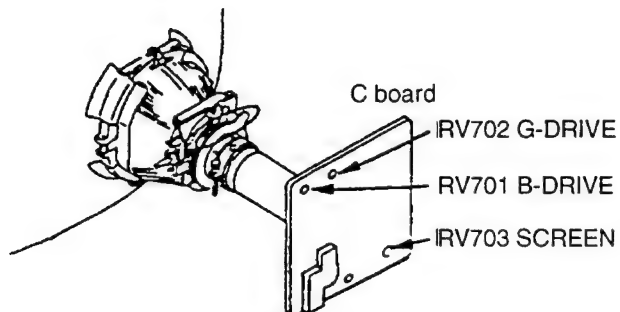
**(2) Dynamic Convergence Adjustment****Preparation:**

- Before starting perform Horizontal and Vertical static convergence Adjustment.
1. Slightly loosen deflection yoke screw.
  2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

**(3) Screen-corner Convergence**

### 3-4. SCREEN (G2) and WHITE BALANCE



#### Screen (G2) setting

1. Input dot signal from the pattern generator.
2. Set the picture BRIGHTNESS control to minimum level.
3. Apply 140V DC to the cathodes of R, G and B from an external power power source.
4. While watching the picture, adjust the G2 volume (RV703) immediately before fly-back line disappears.

#### White Balance Adjustment

1. Input all-white signal from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the following using RV701 (B DRIVE) and RV702 (G DRIVE).

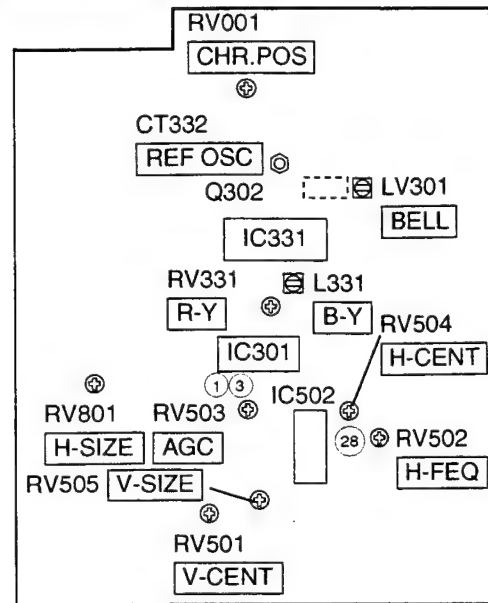
In the following adjustments, the CONTRAST, COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

## SECTION 4

### CIRCUIT ADJUSTMENTS

[M1400D/M1401D/M1400B]

#### 4-1. A BOARD ADJUSTMENTS



A-BOARD  
— Component side —

##### TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

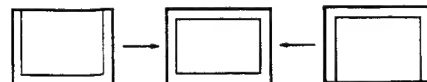
##### RV504 H.CENT (HORIZONTAL CENTER)



##### RV801 H.SIZE (HORIZONTAL SIZE)



##### RV501 V.CENT (VERTICAL CENTER)

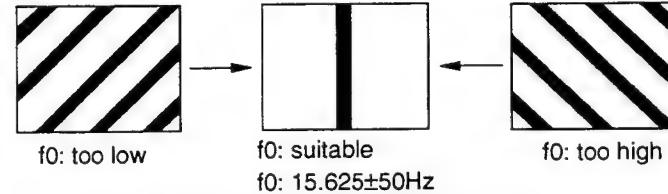


##### RV505 V.SIZE (VERTICAL SIZE)



##### H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100μ/16 V) between pin (28) and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

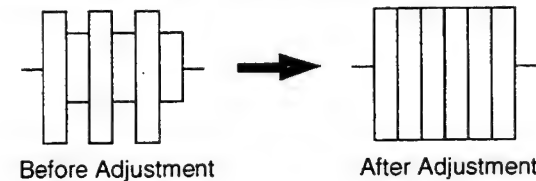


##### REF OSC 8.8 MHz Adjustment (CT332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin (17) of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

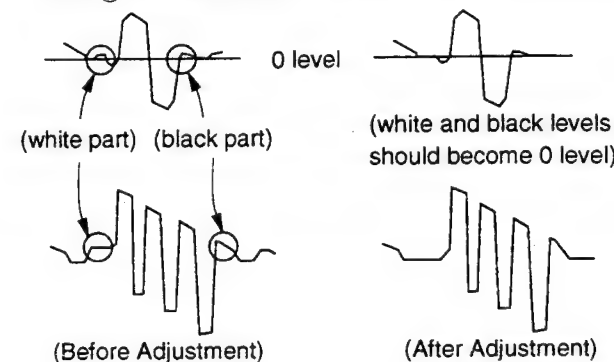
##### BELL FILTER Adjustment (LV301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust LV301 so that waveform becomes flat.



##### SECAM DISCRI Adjustment (RV331 R-Y L331 B-Y)

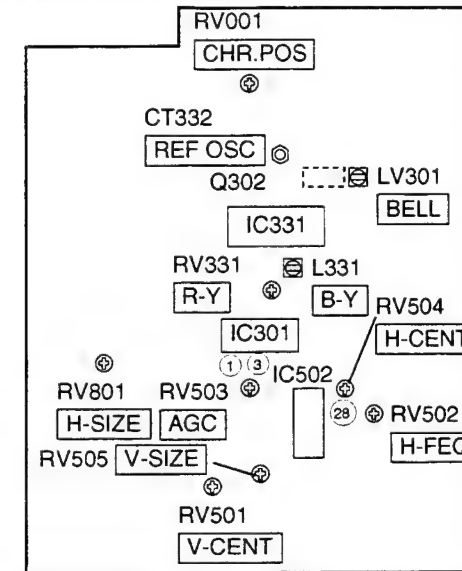
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin (1) of IC301.
3. Adjust RV331 (R-Y) so that white and black parts of the waveform of pin (1) becomes 0 level.
4. Connect an oscilloscope to pin (3) of IC301.
5. Adjust L331 (B-Y) so that white and black parts of the waveform of pin (3) becomes 0 level.



### CIRCUIT ADJUSTMENTS

[M1400K/M1401K]

#### 4-2. A BOARD ADJUSTMENTS



A-BOARD  
— Component side —

##### TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

##### RV504 H.CENT (HORIZONTAL CENTER)



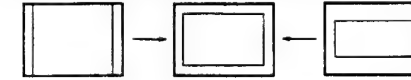
##### RV801 H.SIZE (HORIZONTAL SIZE)



##### RV501 V.CENT (VERTICAL CENTER)



##### RV505 V.SIZE (VERTICAL SIZE)

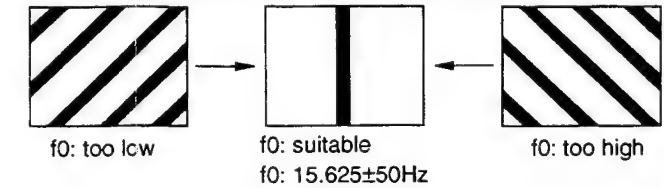


##### REF OSC 7.16 MHz Adjustment (CT 331)

1. Input an NTSC COLOR BAR pattern.
2. Short circuit between pin (28) of IC 331 and ground.
3. Adjust CT 331 to obtain color synchronization.
4. Remove the jumper wire from IC 331.

##### H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100μ/16 V) between pin (28) and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

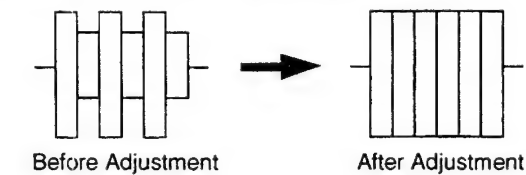


##### REF OSC 8.8 MHz Adjustment (CT332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin (17) of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

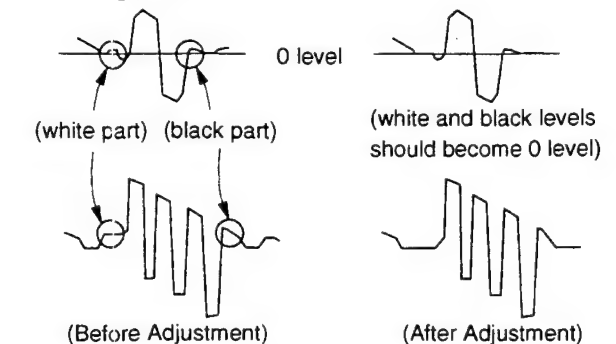
##### BELL FILTER Adjustment (LV301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust LV301 so that waveform becomes flat.

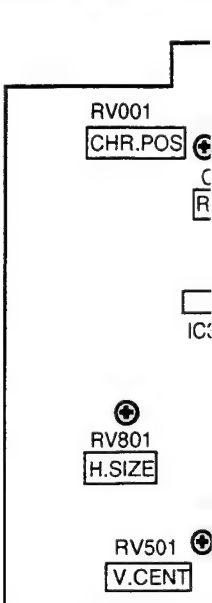


##### SECAM DISCRI Adjustment (RV331 R-Y L331 B-Y)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin (1) of IC301.
3. Adjust RV331 (R-Y) so that white and black parts of the waveform of pin (1) becomes 0 level.
4. Connect an oscilloscope to pin (3) of IC301.
5. Adjust L331 (B-Y) so that white and black parts of the waveform of pin (3) becomes 0 level.



#### 4-3. A BOARD



##### TU AGC Adj

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

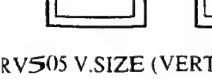
##### RV504 H.CENT (HOR



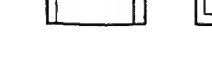
##### RV801 H.SIZE (HORI



##### RV501 V.CENT (VER



##### RV505 V.SIZE (VERT

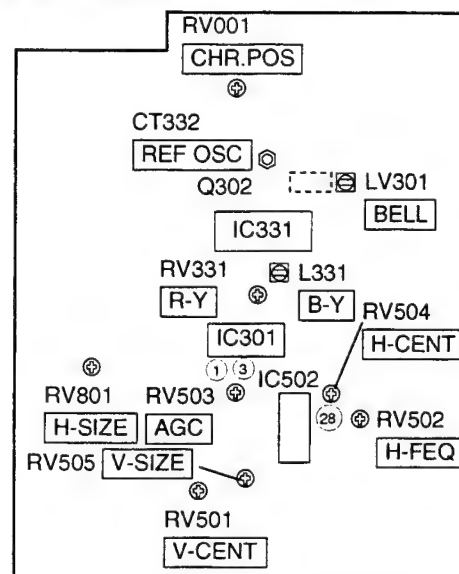




## CIRCUIT ADJUSTMENTS

[ M1400K/M1401K ]

## 4-2. A BOARD ADJUSTMENTS

A-BOARD  
- Component side -

## TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

## RV504 H.CENT (HORIZONTAL CENTER)



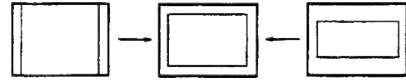
## RV801 H.SIZE (HORIZONTAL SIZE)



## RV501 V.CENT (VERTICAL CENTER)



## RV505 V.SIZE (VERTICAL SIZE)

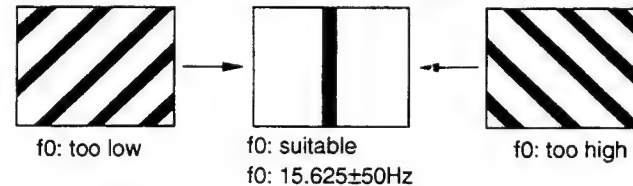


## REF OSC 7.16 MHz Adjustment (CT 331)

1. Input an NTSC COLOR BAR pattern.
2. Short circuit between pin (28) of IC 331 and ground.
3. Adjust CT 331 to obtain color synchronization.
4. Remove the jumper wire from IC 331.

## H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100μ/16 V) between pin (28) and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

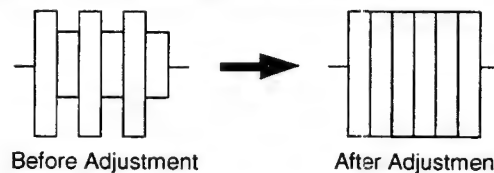


## REF OSC 8.8 MHz Adjustment (CT332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin (17) of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

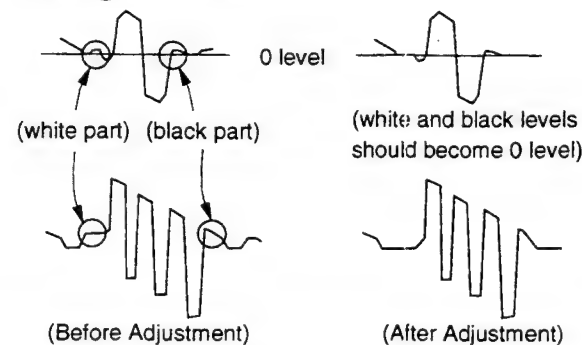
## BELL FILTER Adjustment (LV301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust LV301 so that waveform becomes flat.



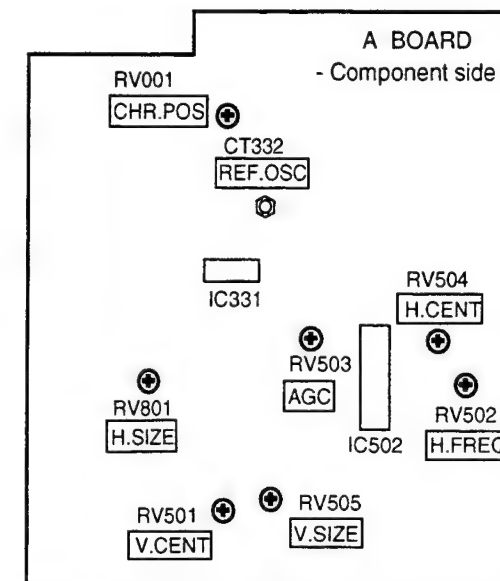
## SECAM DISCRI Adjustment (RV331 R-Y L331 B-Y)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin (1) of IC301.
3. Adjust RV331 (R-Y) so that white and black parts of the waveform of pin (1) becomes 0 level.
4. Connect an oscilloscope to pin (3) of IC301.
5. Adjust L331 (B-Y) so that white and black parts of the waveform of pin (3) becomes 0 level.



## 4-3. A BOARD ADJUSTMENTS

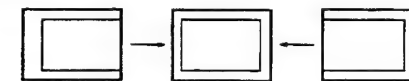
[ M1400U/M1401U/M1400L/M1400A/M1400E ]



## TU AGC Adjustment (RV503)

1. Tune in an off air signal.
2. Adjust AGC VR (RV503) so that snow-noise and cross-modulation just disappear from the picture.

## RV504 H.CENT (HORIZONTAL CENTER)



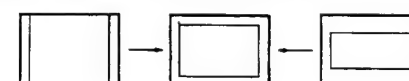
## RV801 H.SIZE (HORIZONTAL SIZE)



## RV501 V.CENT (VERTICAL CENTER)

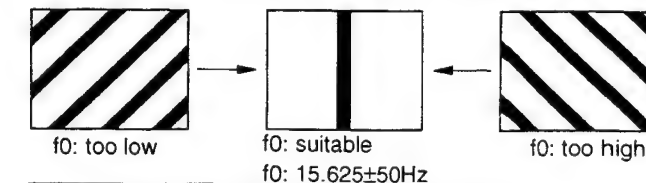


## RV505 V.SIZE (VERTICAL SIZE)



## H.FREQ Adjustment (RV502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100μ/16 V) between pin (28) and GND of IC502.
2. Adjust RV502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

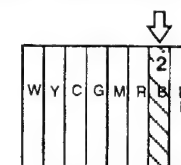


## REF OSC 8.8 MHz Adjustment (CT332)

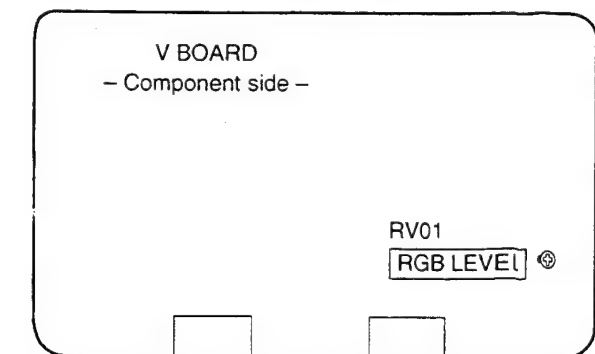
1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin (17) of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

CHARACTER POSITION Adjustment [RV001]  
[ All Models ]

1. Input a PAL COLOR BAR pattern.
2. Adjust RV001 to position the character display at the point indicated by the arrow below.



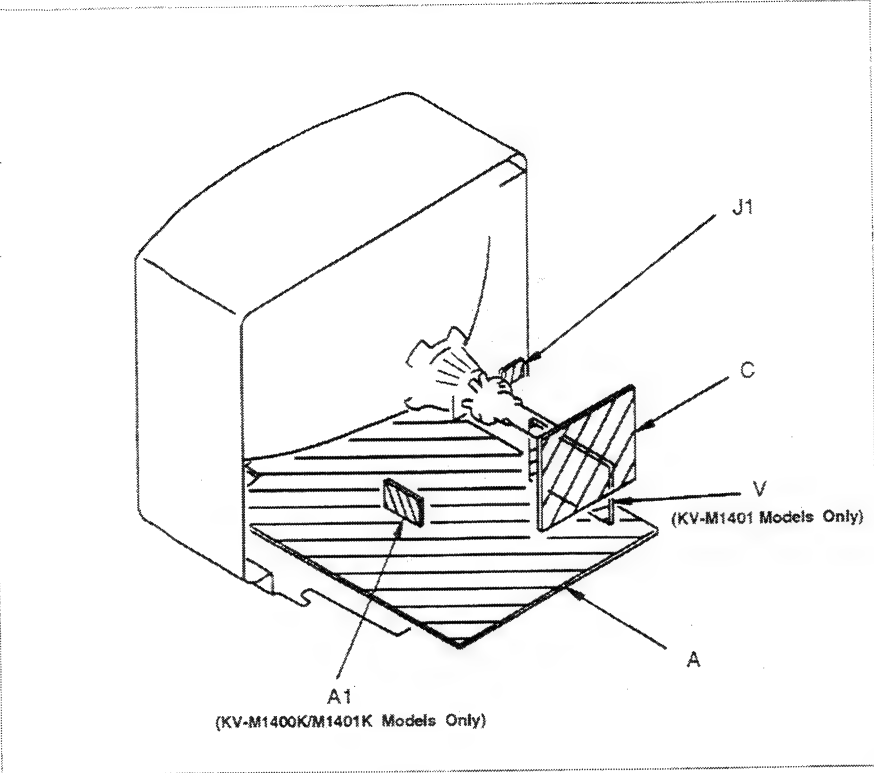
## 4-4. V BOARD ADJUSTMENT [ M1401 Models only ]



## RGB LEVEL Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes maximum.

5-1. CIRCUIT BOARD LOCATION



- Note :
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytic and tantalums.
  - All resistors are in ohms.  $\text{k}\Omega = 1000\Omega$ ,  $\text{M}\Omega = 1000\text{K}\Omega$
  - Indication of resistance, which does not have one for rating electrical power, is as follows.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: $\times$	ADJUSTABLE RESISTOR
	: LF-8L	MICRO INDUCTOR
	: TA	TANTALUM
COIL	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE
CAPACITOR		

Pitch : 5 mm  
Rating electrical power  $\frac{1}{4}$  W

- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- $\perp$  : earth - ground.
- $\text{tr}$  : earth - chassis.
- $\text{tr}$  : no mounted.

Note : The components identified by shading and marked are critical for safety. Replace only with part number specified.

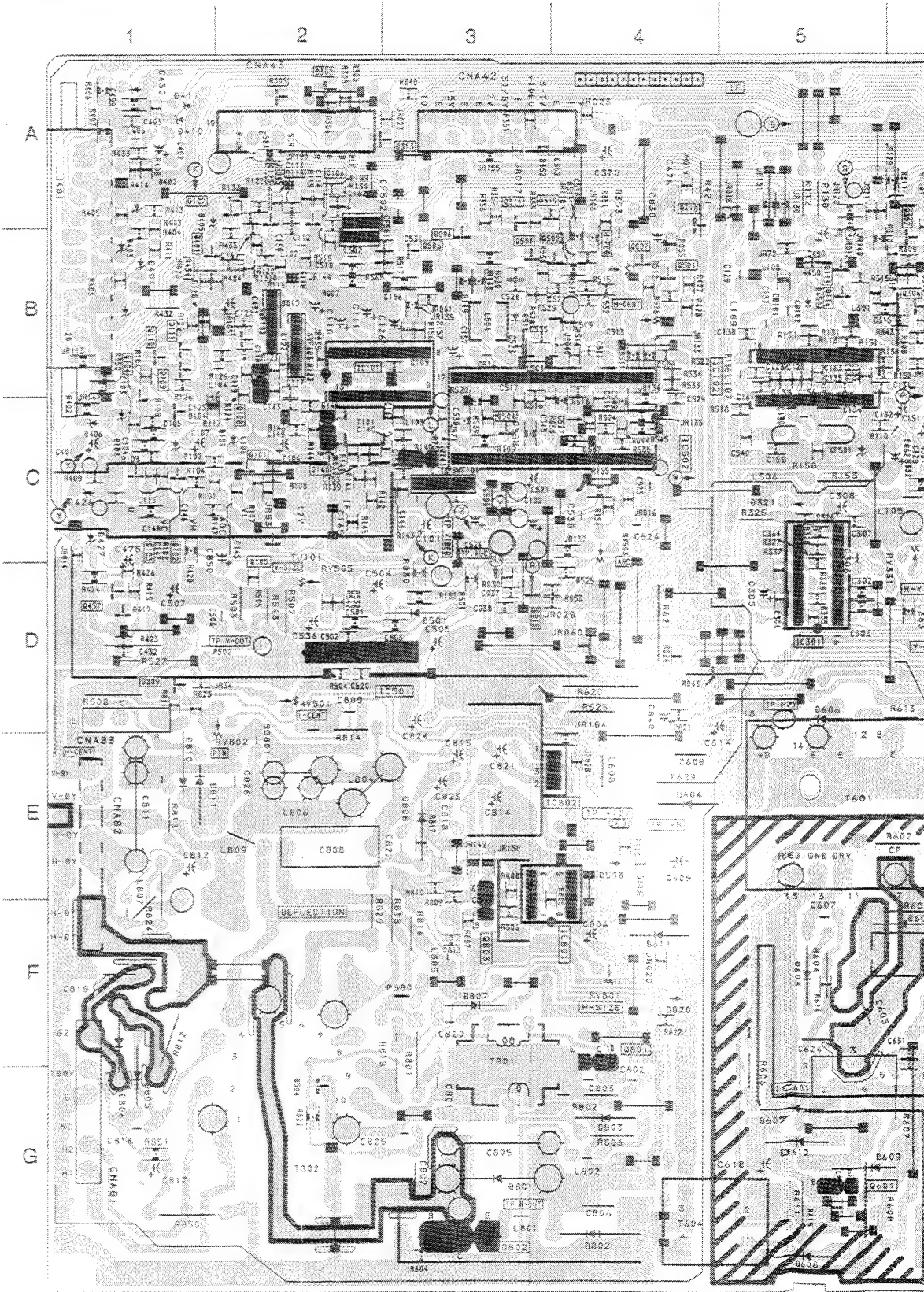
- Readings are taken with a colour-bar signal input
- Readings are taken with 10M $\Omega$  digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path. (RF)

5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS.

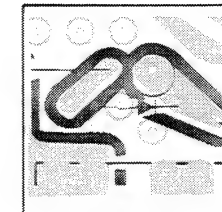
— A Board —

A Board

DIODE		DIODE		TRANSISTOR	
D002	E-10	D604	E-4	Q001	D-8
D004	C-9	D605	E-6	Q003	C-9
D007	B-8	D606	D-5	Q004	D-10
D008	D-10	D607	G-5	Q005	B-8
D009	B-8	D608	H-5	Q006	C-8
D011	E-8	D609	G-5	Q007	B-4
D020	B-8	D610	G-5	Q015	D-3
D110	C-5	D611	F-4	Q016	D-10
D301	C-6	D801	G-3	Q017	E-9
D302	A-2	D802	H-4	Q019	D-10
D303	B-6	D803	G-4	Q020	D-8
D305	A-2	D805	G-1	Q104	C-1
D306	B-6	D806	F-1	Q106	A-2
D313	A-3	D807	F-3	Q107	A-2
D321	C-5	D808	E-3	Q112	A-7
D324	A-7	D810	E-1	Q114	B-5
D334	B-6	D811	E-1	Q115	A-6
D402	A-1	D820	F-4	Q123	A-2
D403	B-1			Q141	C-3
D404	B-1	IC		Q302	C-7
D405	A-1	IC001	C-9	Q304	B-6
D406	C-1	IC002	D-9	Q305	B-6
D411	A-1	IC003	D-10	Q307	B-6
D417	D-1	IC004	E-9	Q310	A-3
D418	A-4	IC005	B-8	Q311	A-3
D426	C-1	IC102	B-5	Q401	B-1
D427	C-1	IC201	F-8	Q457	D-1
D450	B-5	IC301	D-5	Q504	C-3
D501	D-3	IC302	B-7	Q505	B-3
D503	E-4	IC331	C-7	Q601	G-5
D504	G-2	IC501	D-2	Q801	F-4
D519	C-8	IC502	C-4	Q802	H-3
D601	F-7	IC601	G-5	Q803	F-3
D602	F-6	IC801	F-3		
D603	F-5	IC802	E-4		
		TRIMMER		VARIABLE RESISTOR	
		CT331	C8	RV001	D-9
		CT332	C8	RV501	D-2
				RV502	B-4
				RV503	C-4
				RV505	D-2
				RV801	F-4





A SYSTEM CONTROL  
HV OUT, MEMORY, CHROMA

## NOTE:

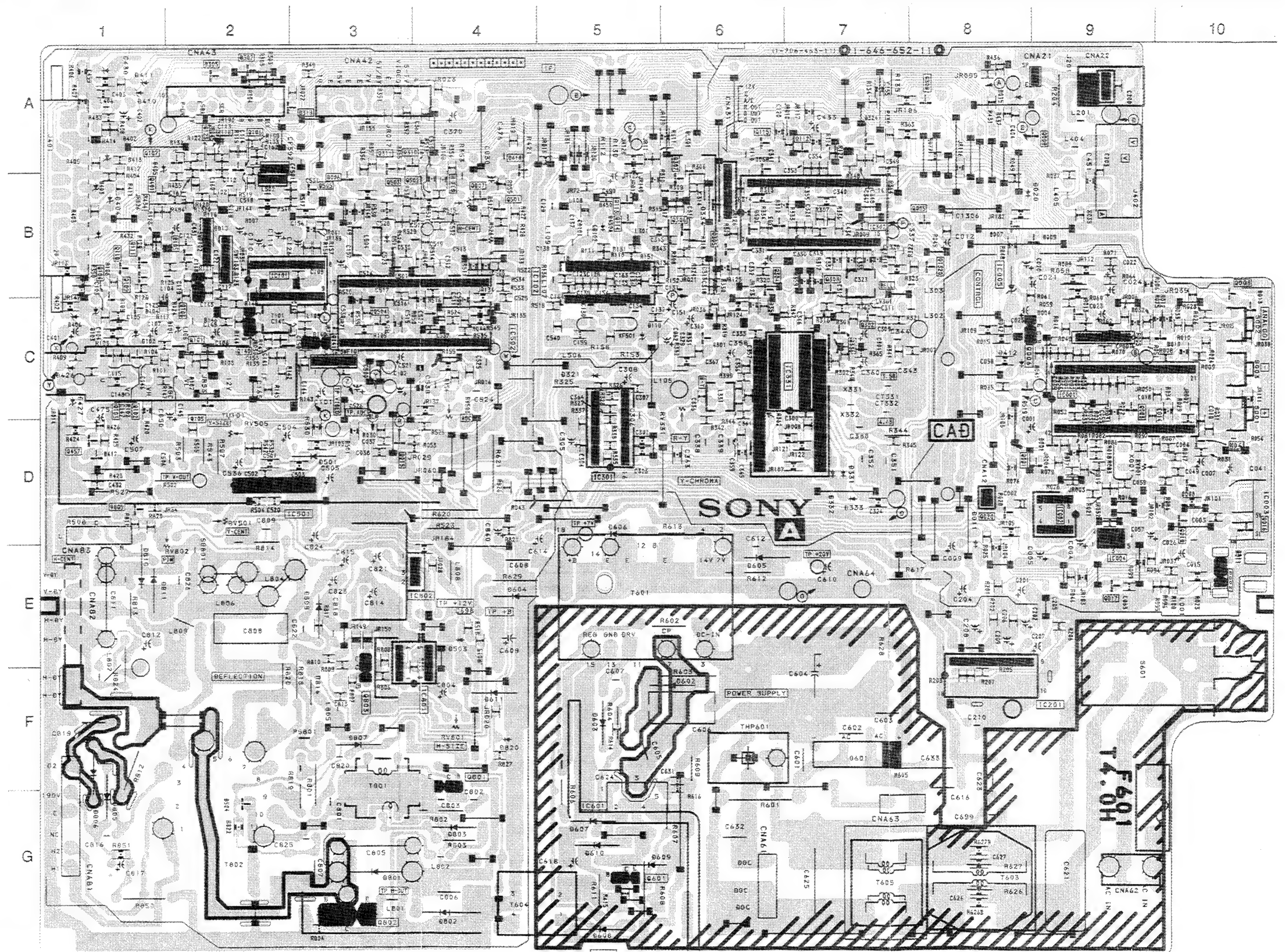
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

## 5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS.

— A Board —

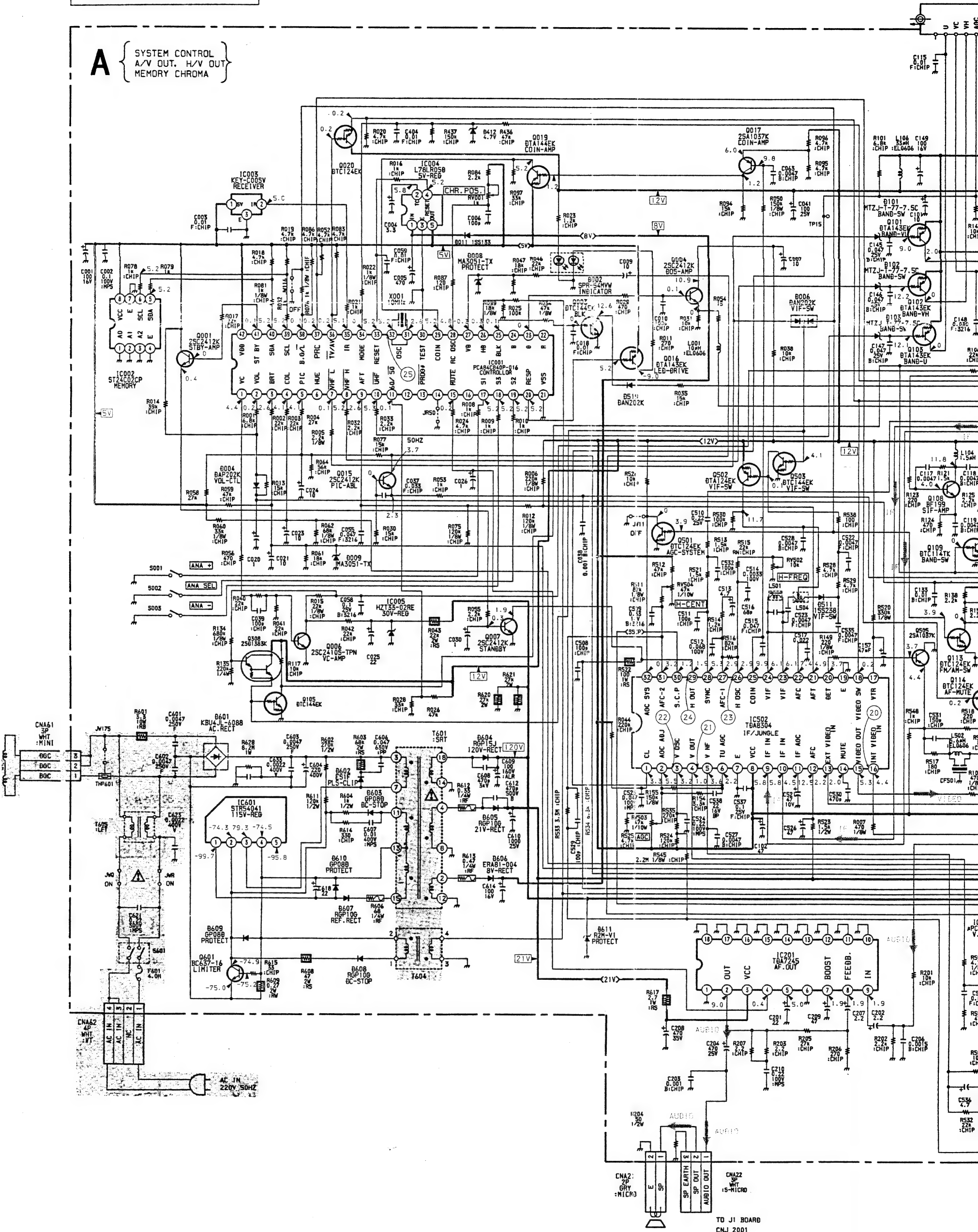
A Board

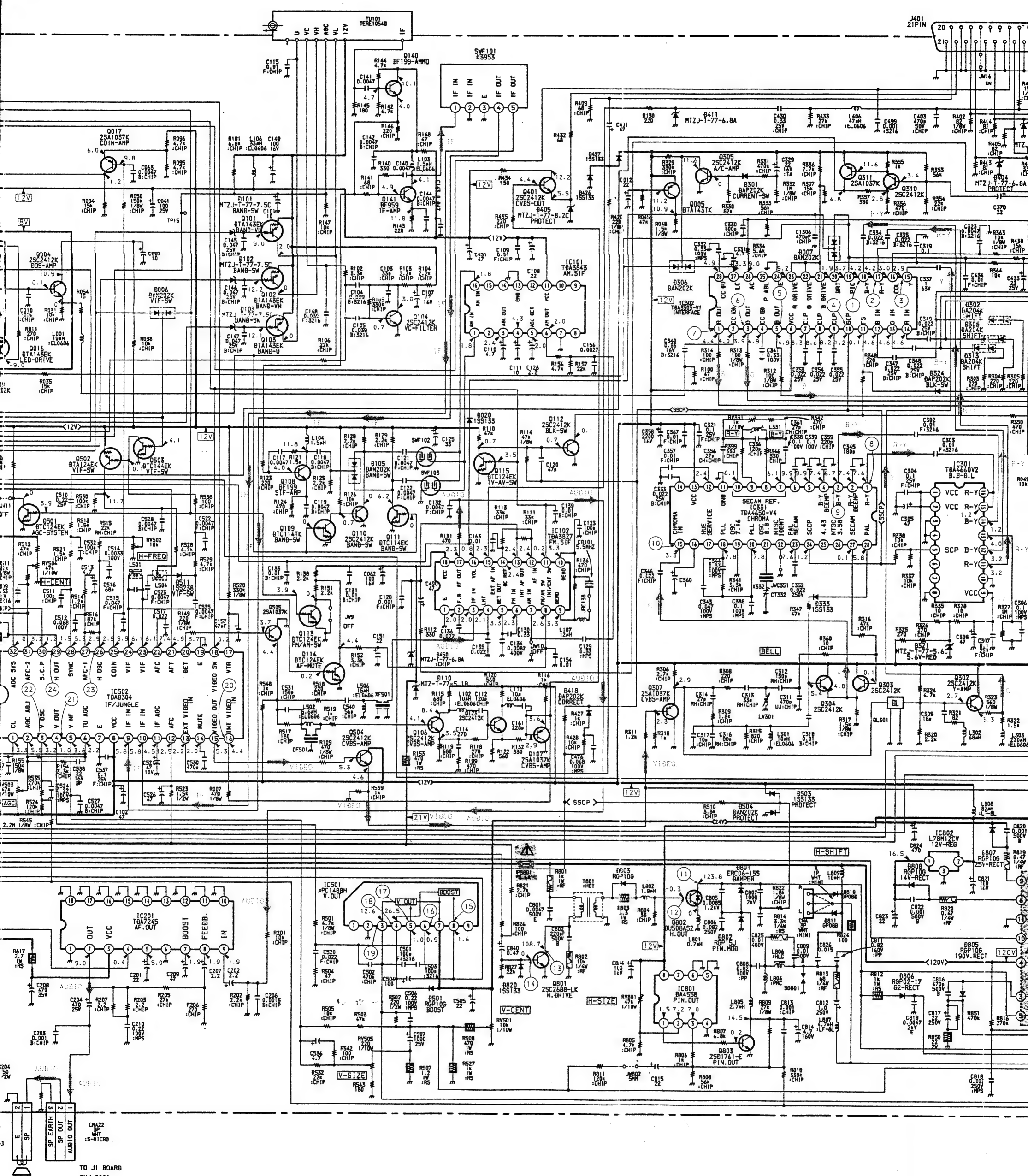
DIODE		DIODE		TRANSISTOR			
D002	E-10	D604	E-4	Q001	D-8		
D004	C-9	D605	E-6	Q003	C-9		
D007	B-8	D606	D-5	Q004	D-10		
D008	D-10	D607	G-5	Q005	B-8		
D009	B-8	D608	H-5	Q006	C-8		
D011	E-8	D609	G-5	Q007	B-4		
D020	B-8	D610	G-5	Q015	D-3		
D110	C-5	D611	F-4	Q016	D-10		
D301	C-6	D801	G-3	Q017	E-9		
D302	A-2	D802	H-4	Q019	D-10		
D303	B-6	D803	G-4	Q020	D-8		
D305	A-2	D805	G-1	Q104	C-1		
D306	B-6	D806	F-1	Q106	A-2		
D313	A-3	D807	F-3	Q107	A-2		
D321	C-5	D808	E-3	Q112	A-7		
D324	A-7	D810	E-1	Q114	B-5		
D334	B-6	D811	E-1	Q115	A-6		
D402	A-1	D820	F-4	Q123	A-2		
D403	B-1	IC		Q141	C-3		
D404	B-1			Q302	C-7		
D405	A-1			Q304	B-6		
D406	C-1			Q305	B-6		
D411	A-1			Q307	B-6		
D417	D-1			Q310	A-3		
D418	A-4			Q311	A-3		
D426	C-1			Q401	B-1		
D427	C-1			Q457	D-1		
D450	B-5			Q504	C-3		
D501	D-3	IC302	B-7	Q505	B-3		
D503	E-4	IC331	C-7	Q601	G-5		
D504	G-2	IC501	D-2	Q801	F-4		
D519	C-8	IC502	C-4	Q802	H-3		
D601	F-7	IC601	G-5	Q803	F-3		
D602	F-6	IC801	F-3	VARIABLE RESISTOR			
D603	F-5	IC802	E-4				
		TRIMMER					
		CT331	C8			RV001	D-9
		CT332	C8			RV501	D-2
				RV502	B-4		
				RV503	C-4		
				RV505	D-2		
				RV801	F-4		





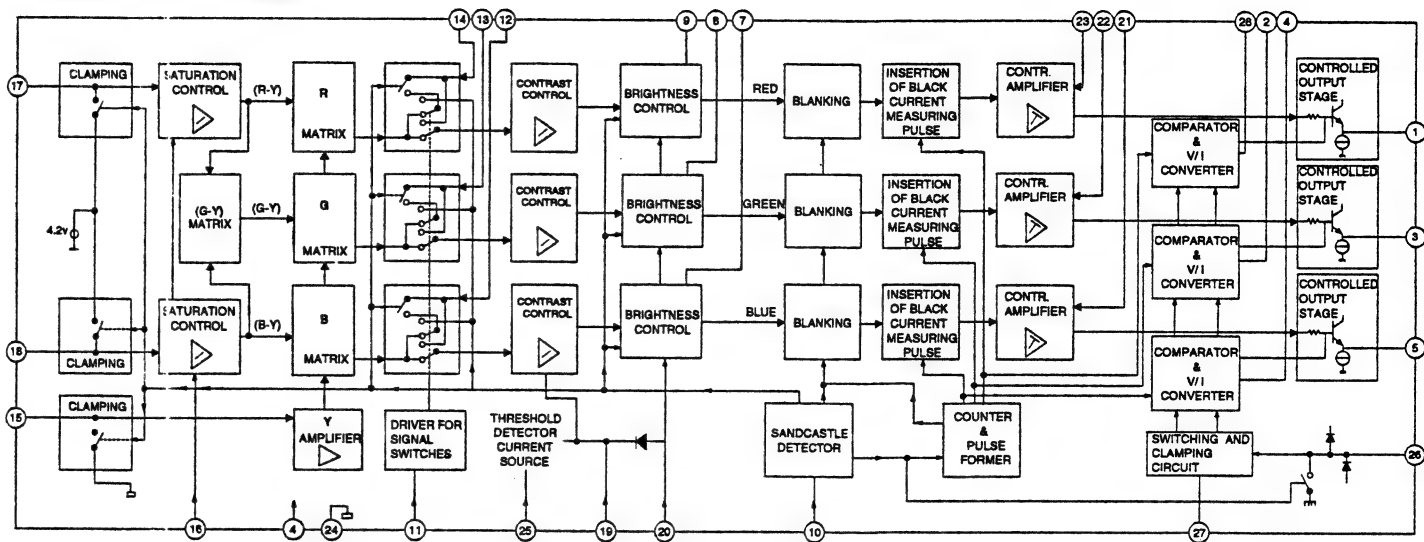
**A** { SYSTEM CONTROL  
A/V OUT. H/V OUT  
MEMORY CHROMA }



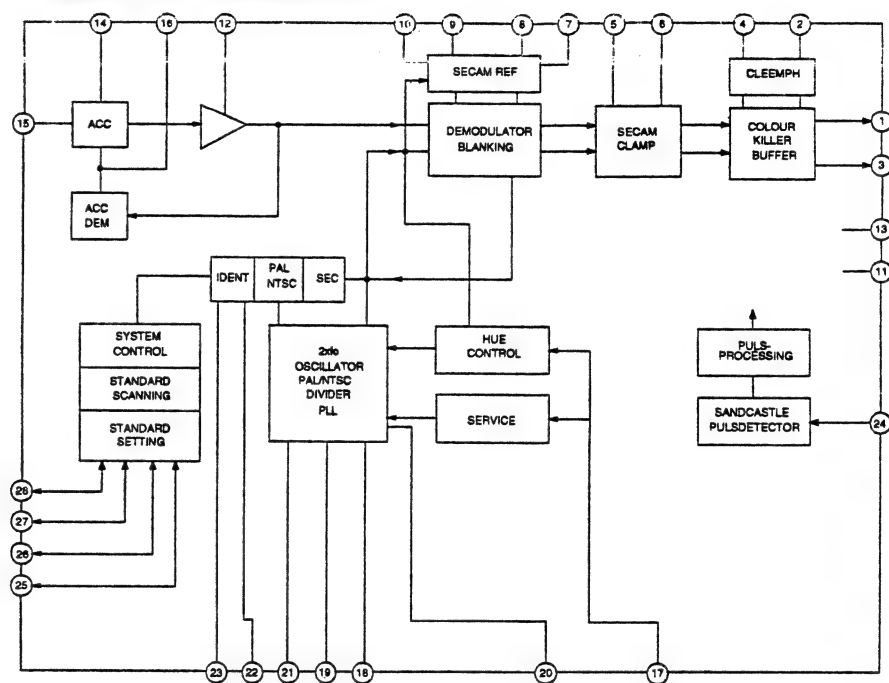




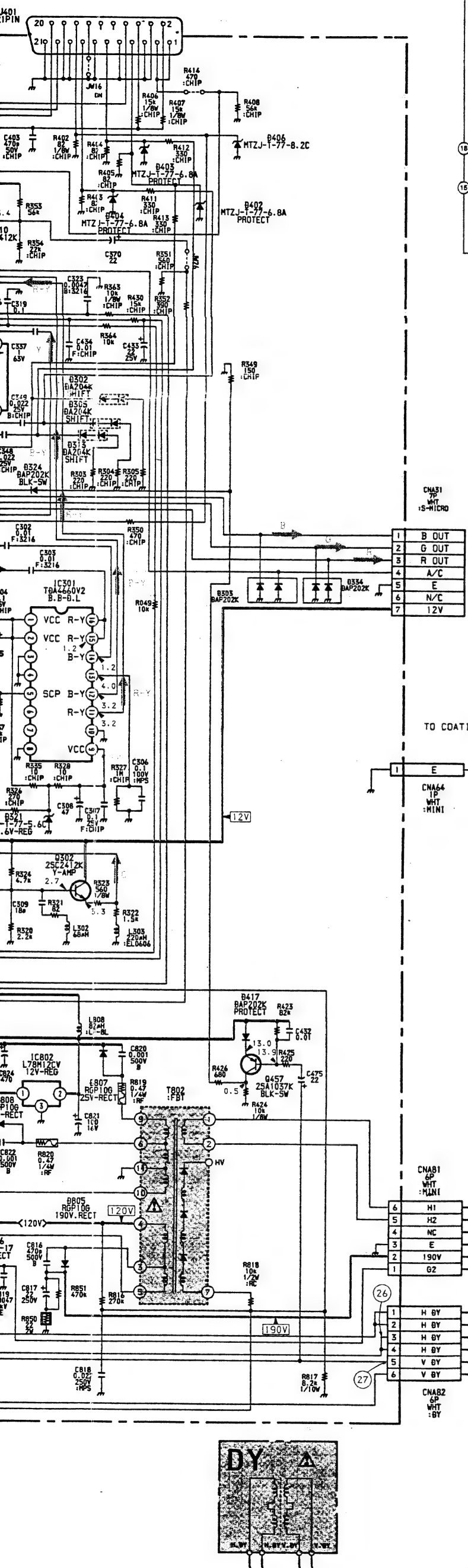
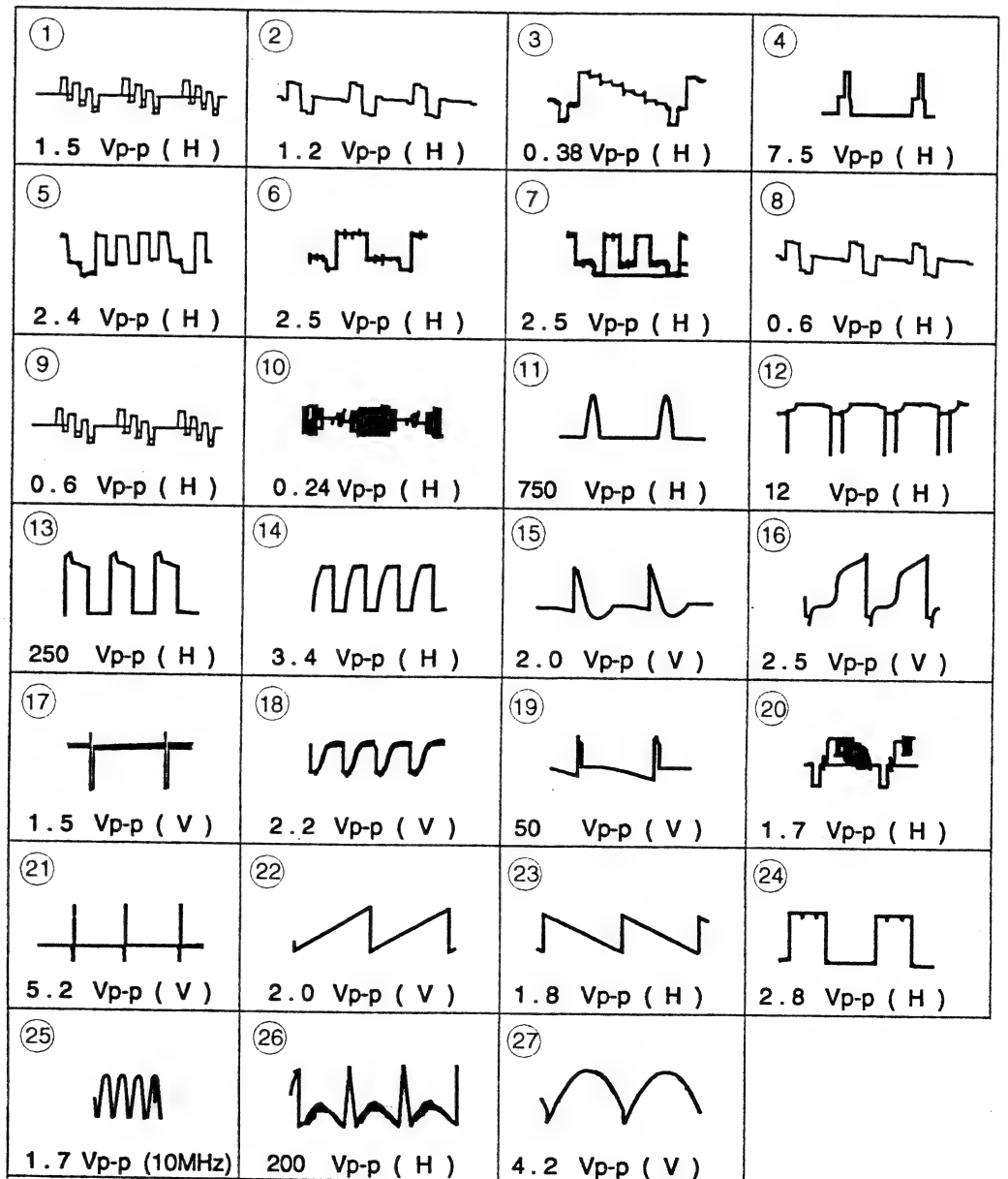
### A Board IC31/2 TDA3505-V1



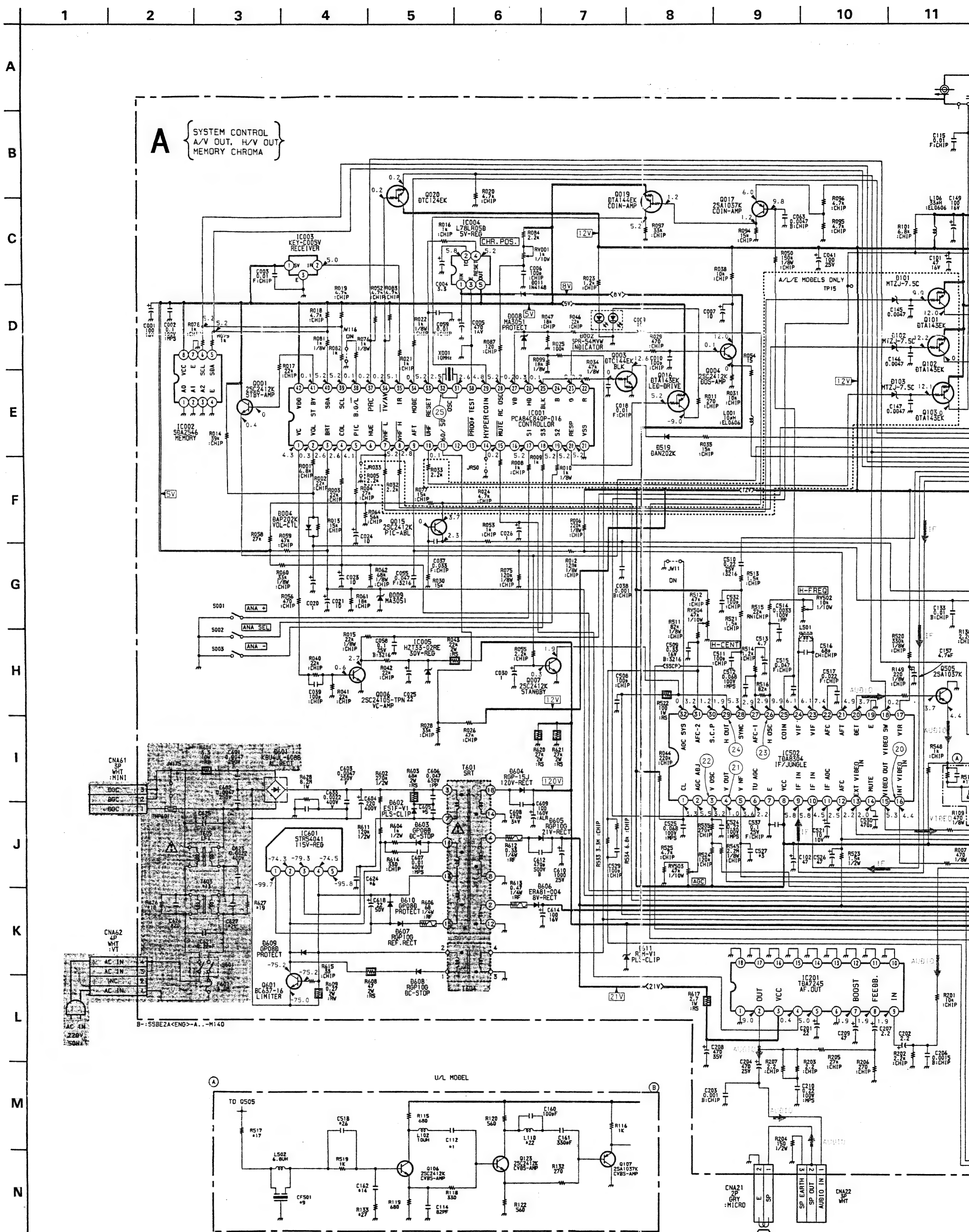
### A Board IC331 TDA4650-V4



### A BOARD WAVEFORMS

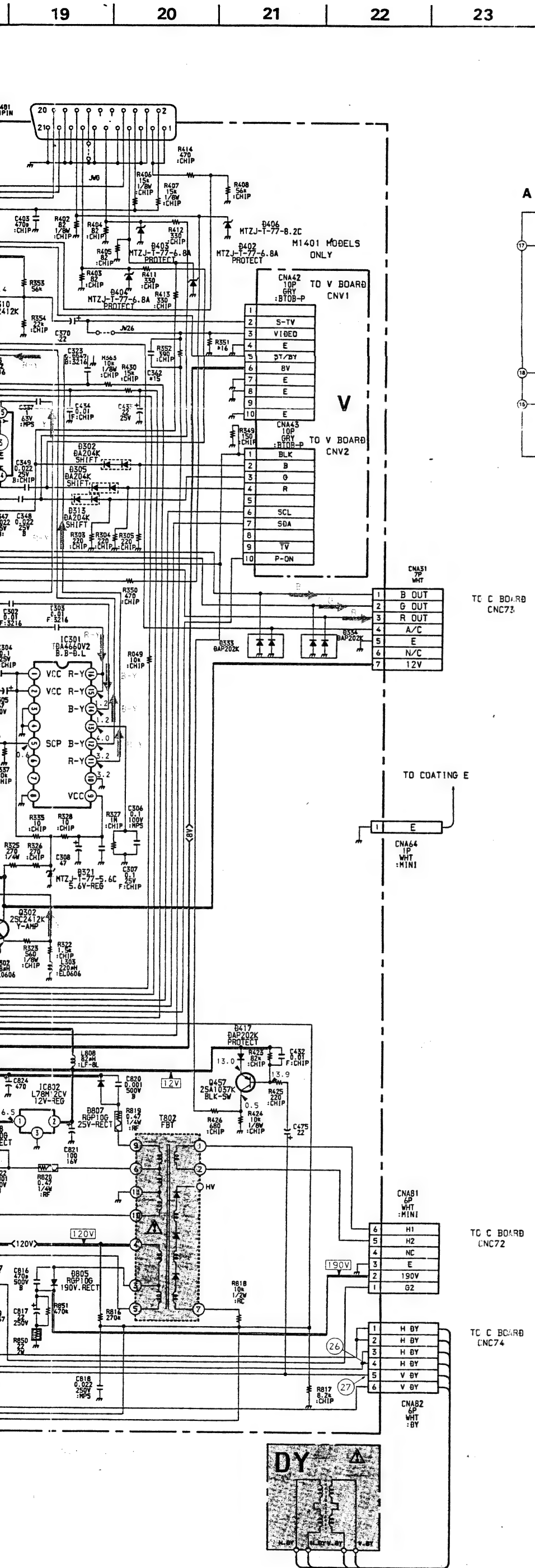




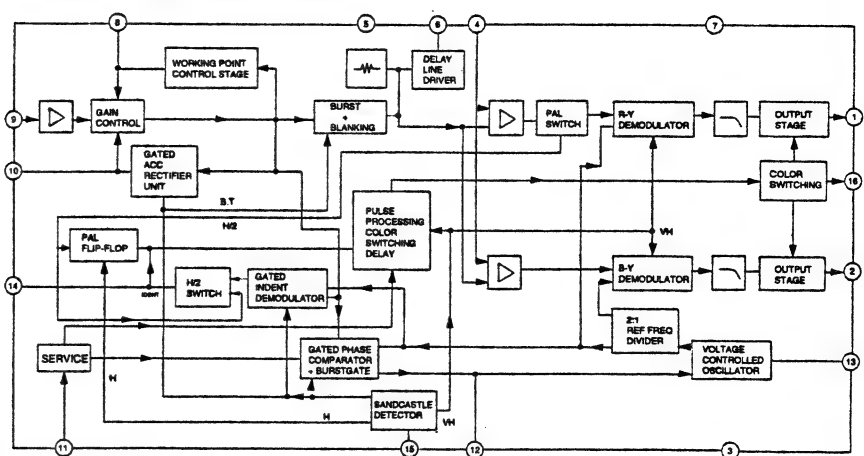




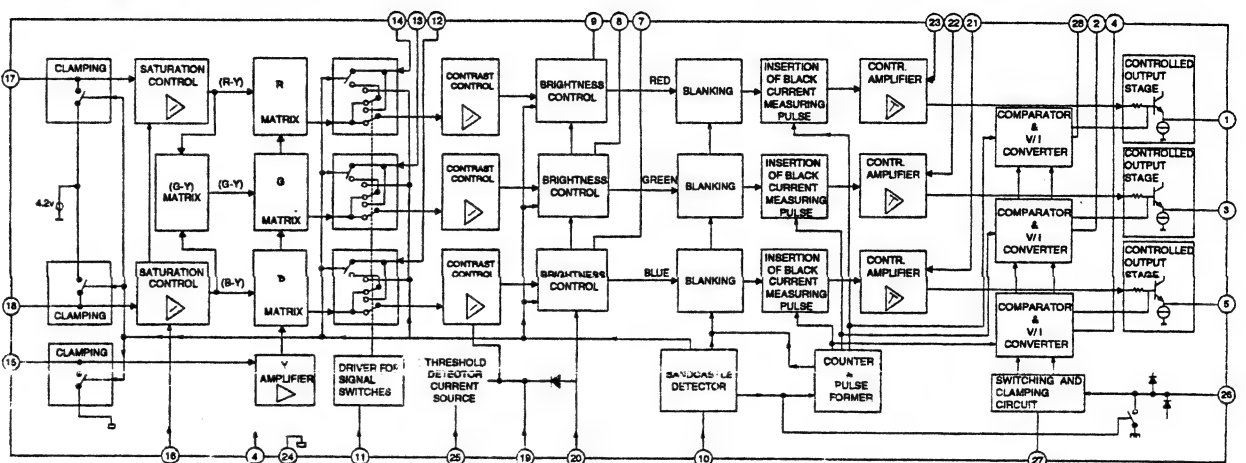




A Board IC331 TDA4510-V8



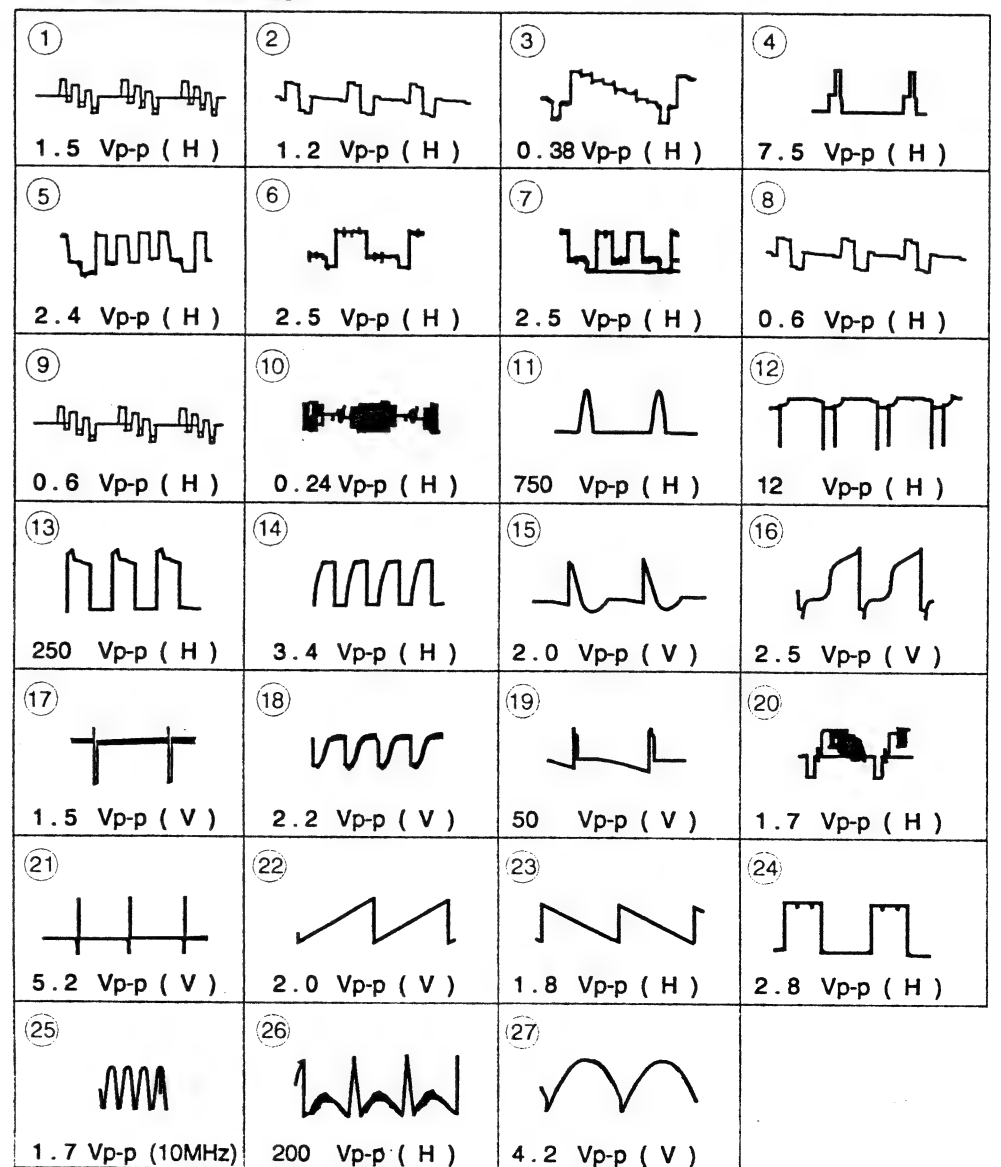
A Board IC302 TDA3505-V1



A Board  
\* Mark List

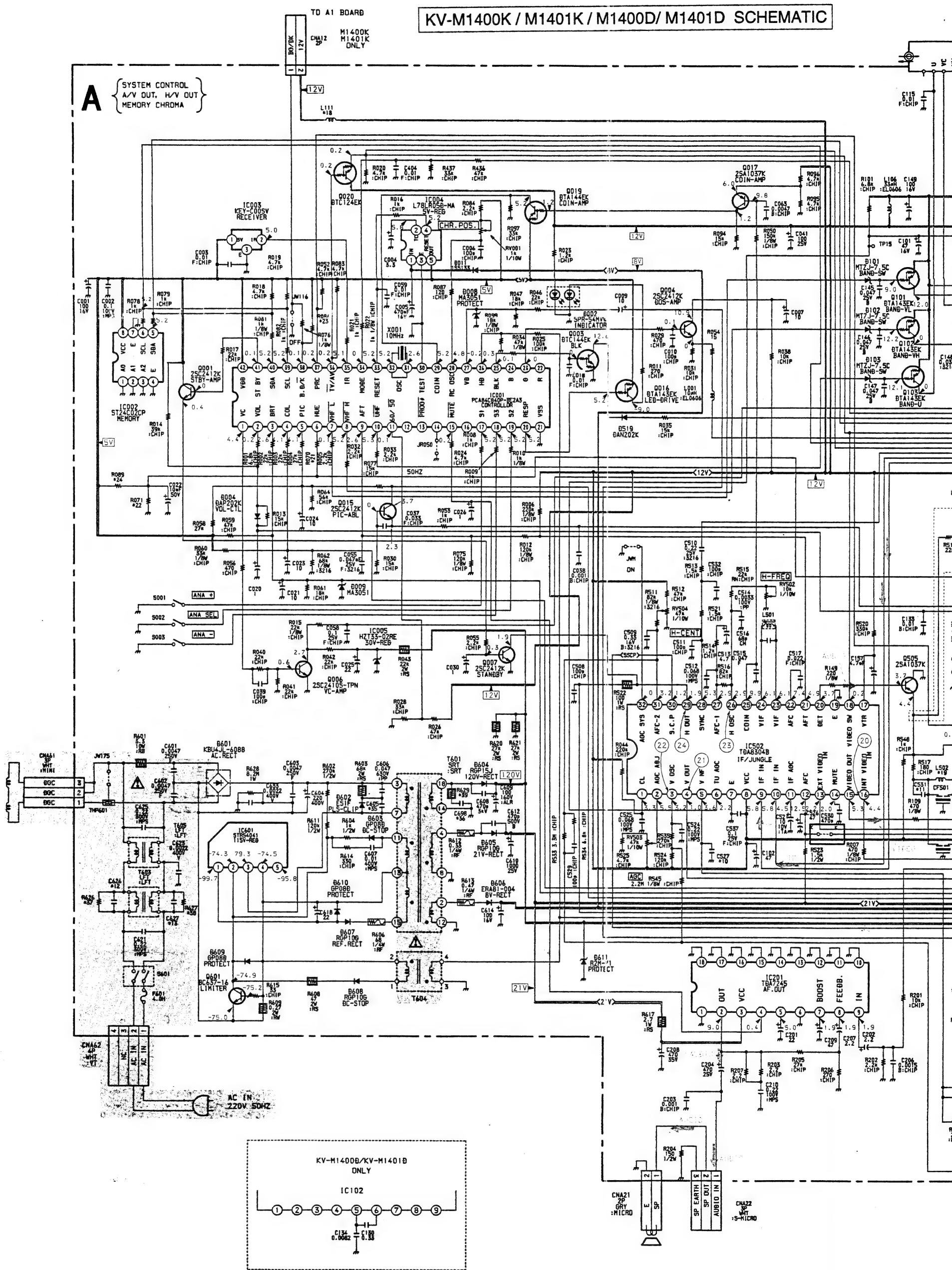
	M1400A	M1400E	M1400/M1401U	M1400L
*1 C112	100pF	100pF	82pF	47p
*2 C123	100pF	100pF	680pF	680p
*3 C527	0.01uF	0.0047uF	0.0047uF	0.0047uF
*4 C531	68pF	68pF		
*5 C605	0.047uF	0.001uF		
*6 C624	0.001uF	0.001uF	0.001uF	
*7 C625	0.22uF	0.22uF		
*8 CD101	5.5MHz	5.5MHz	6MHz	6MHz
*9 CF501	5.5MHz	5.5MHz	6MHz	6MHz
*10 D104	DAN202K			
*11 L105	10uH		JUMPER	JUMPER
*12 L107	12uH	12uH	10uH	10uH
*13 T603	LFT	LFT	JUMPER	JUMPER
*14 C162				47pF
*15 C362			100pF	
*16 R351	560	1.5K	560	560
*17 R517	270	180	270	180
*18 R626	47K			
*19 R627	47K			
*20 C626		15pF		
*21 C627		15pF		
*22 L110				10uH
*23 R110		47K	47K	47K
*24 TU101	BT-3C	BT-3C	BT-3C421	BT-3U601
*25 XF501	5.5MHz	5.5MHz	6MHz	6MHz
*26 C518				82pF
*27 R133				2.2K

A BOARD WAVEFORMS



A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

KV-M1400K / M1401K / M1400D / M1401D SCHEMATIC

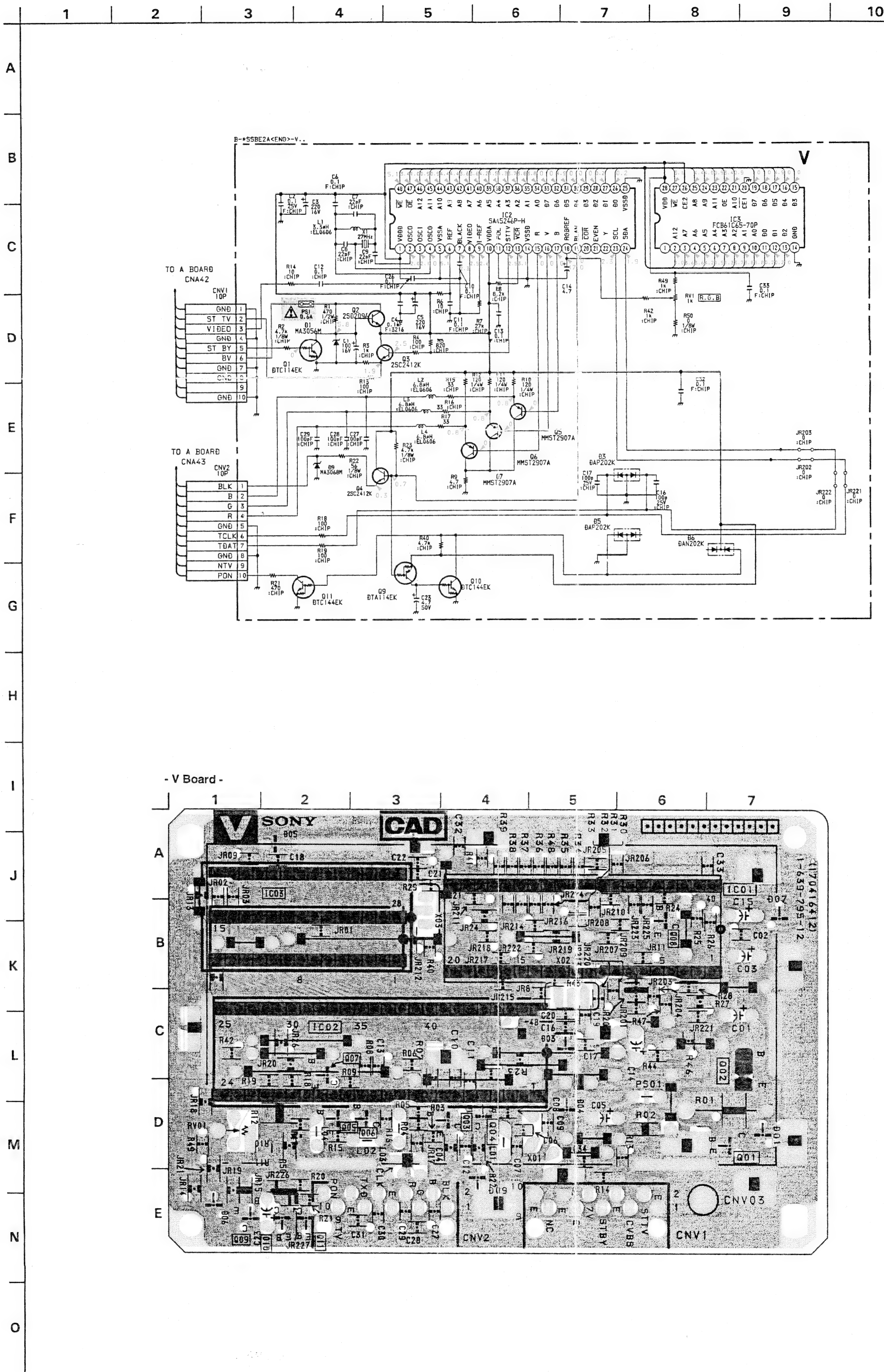


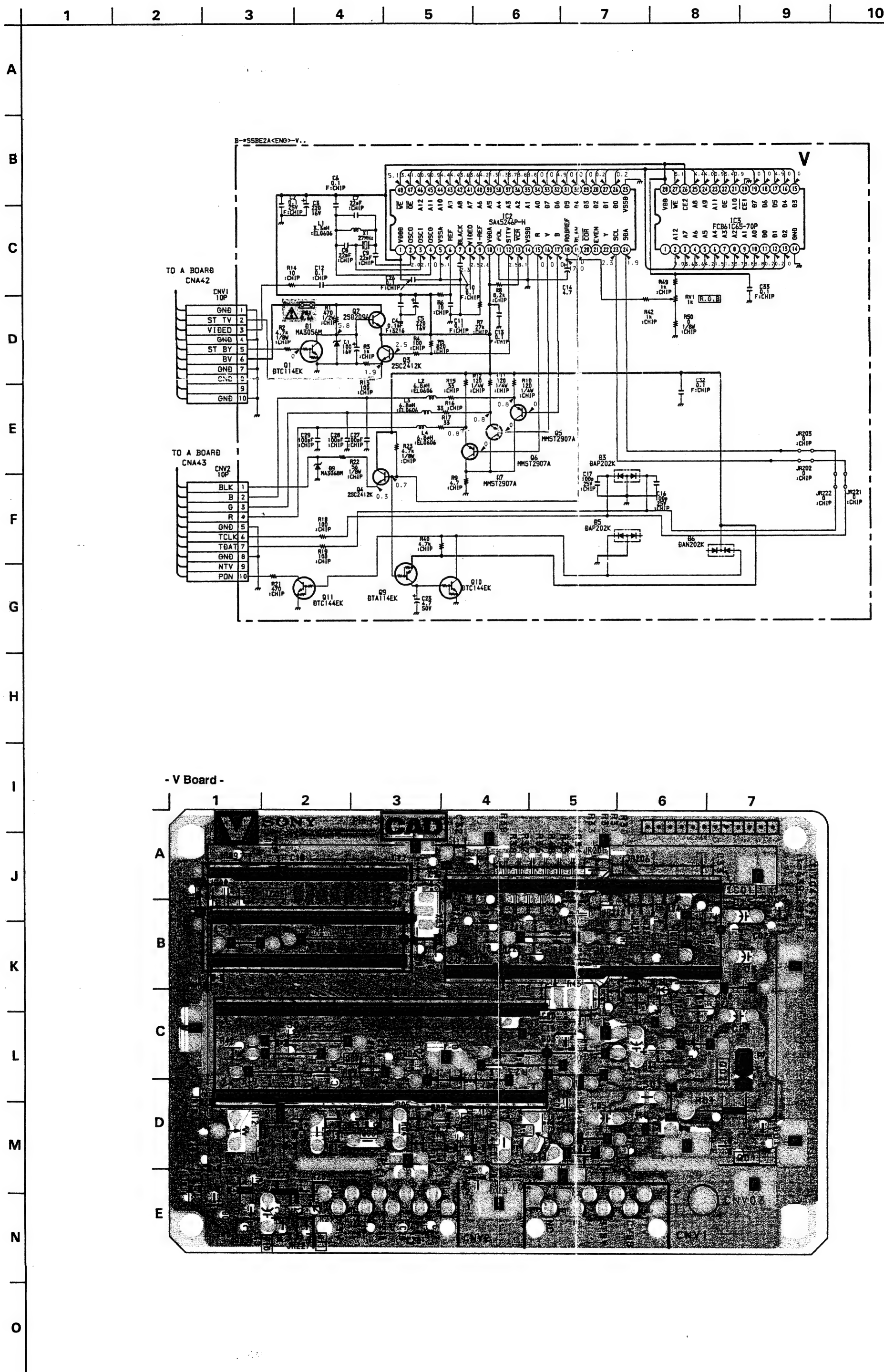


B-\*SSBE2A<D(R>-A..-M140

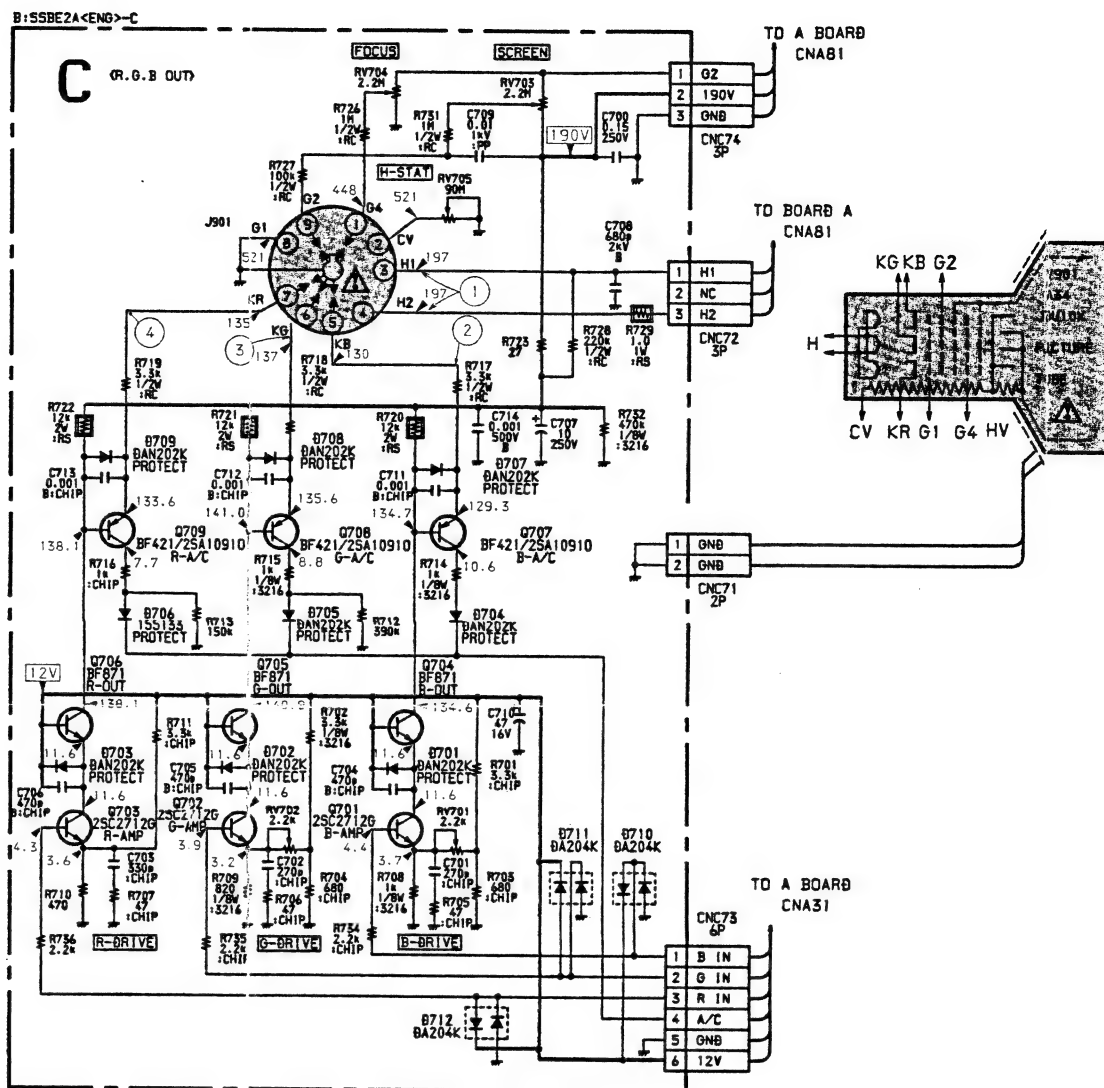
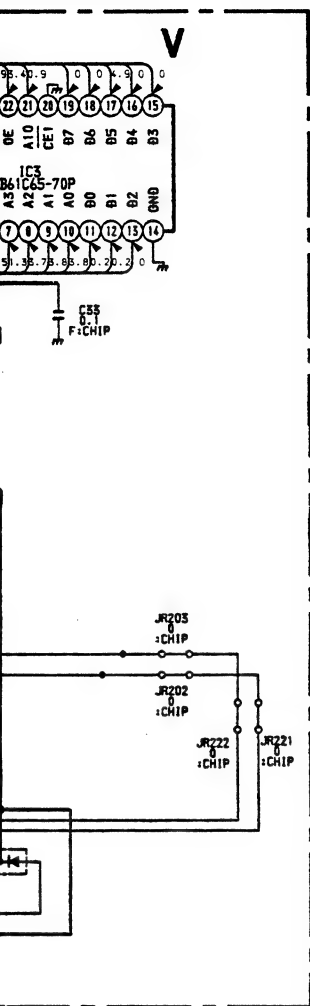




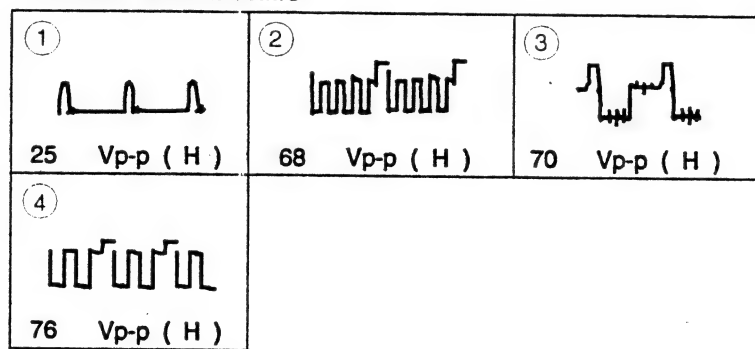




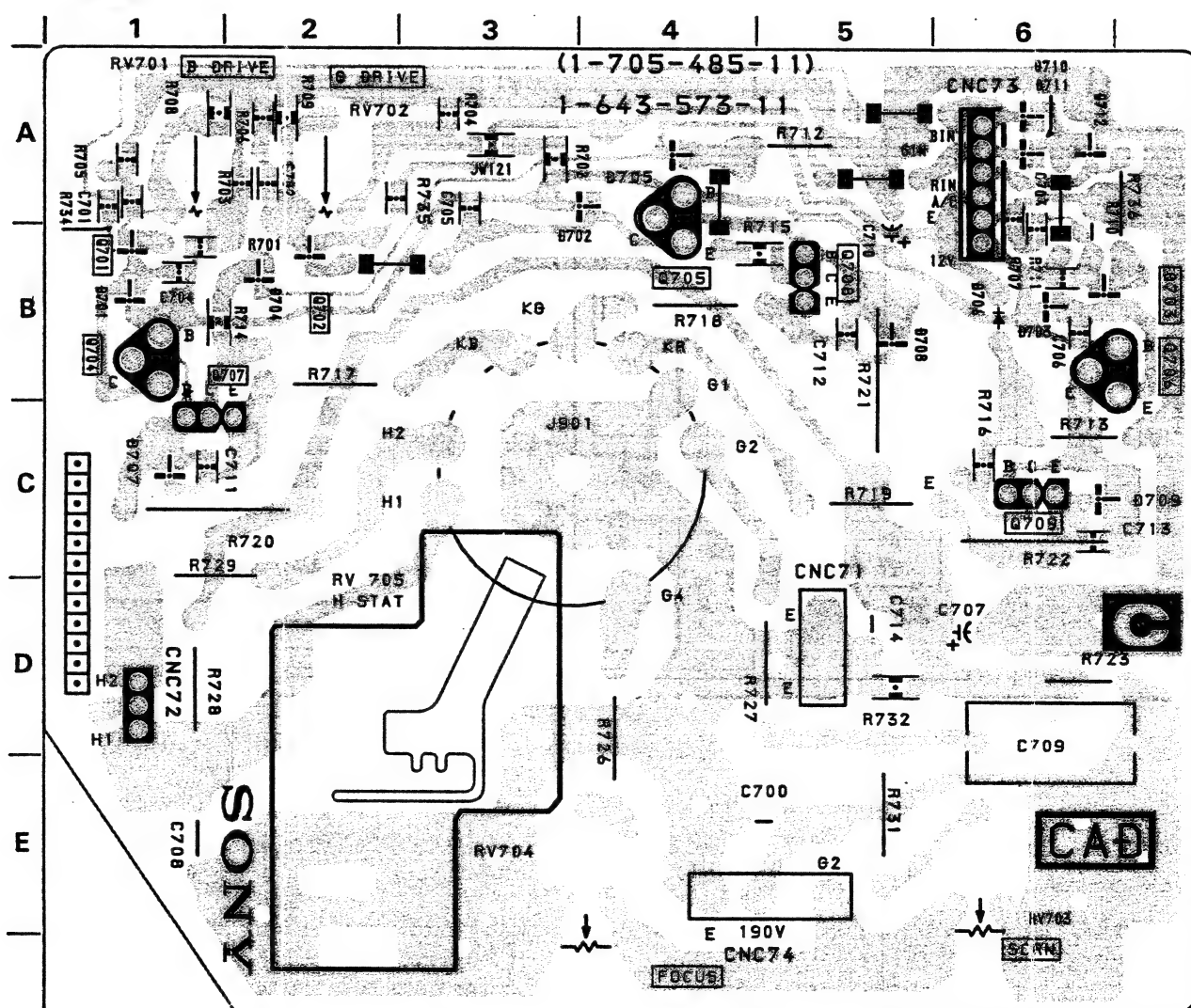




C BOARD WAVEFORMS

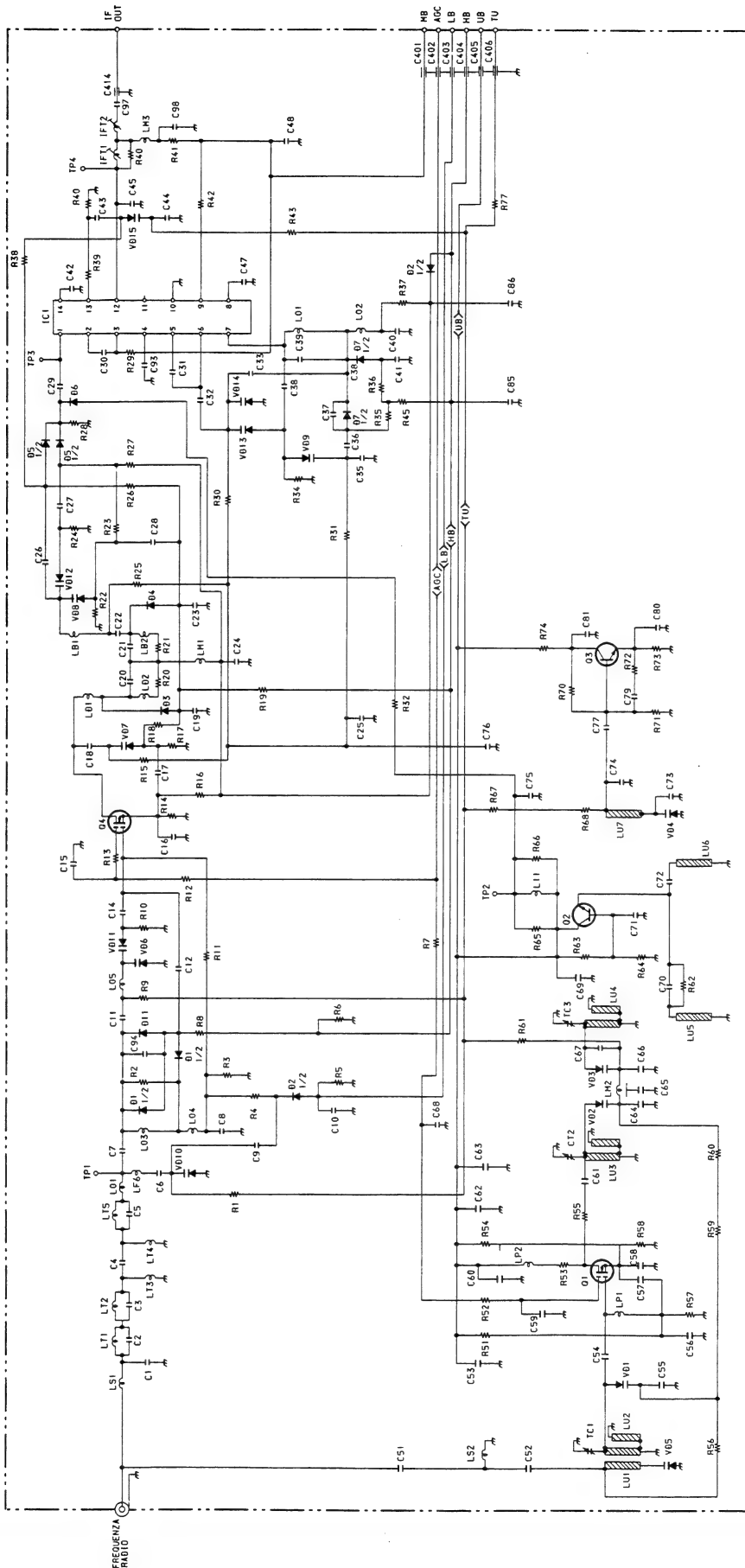


- C Board -



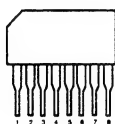


SCHEMA ELETTRICO DEL GRUPPO ALTA FREQUENZA TERE1-054A (BT-3C 301)

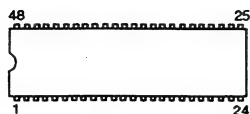


## 5-4. SEMICONDUCTORS

CX20061

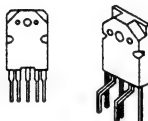


SAA5246P/E

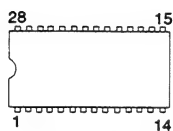


(Top view)

STR54041

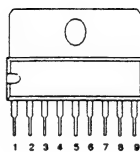


TDA3505-V1  
FCB61C65-70P  
TDA4650-V4

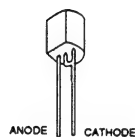


(Top view)

UPC1488H



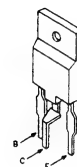
UPC574J



BC637-16

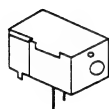


BU508AS2



DTA114EK  
DTA143EK  
DTA143TK  
DTA144EK  
DTC114EK  
DTC124EK  
DTC144EK  
MMST2907A  
2SA1037K  
2SA1162G  
2SB1295-UL6  
2SC1623-L5L6  
2SB1295-UL6  
2SC2412K  
2SC2712YG

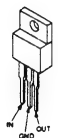
KEY-C00SV-F



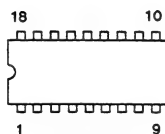
L78LR05D-MA



L78M12CV  
MSF78M12L

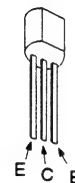


TDA3827-V3  
TDA7245



(Top view)

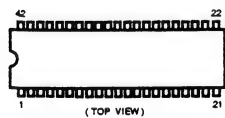
BF421  
2SA1091-0



2SC2410SN

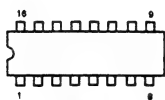


PCA84C840P-011



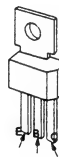
(TOP VIEW)

TDA4660V2

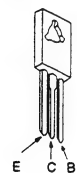


(TOP VIEW)

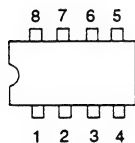
BF871



2SC2688-LK

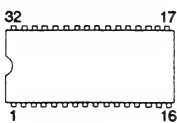


RC4558P  
ST24C02CP  
TBA129



(Top view)

TDA8304

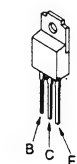


(Top view)

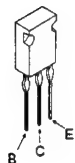
BF959



2SD1408-Y



2SD2096-EF



DAN202K  
MA152WK



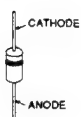
DA204K  
1SS226



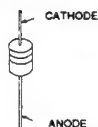
DAP202K  
1S2836



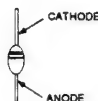
UZ-5.1BSB  
RGP02-17  
RGP10G  
RU-3AM  
ERC06-15S  
R2M



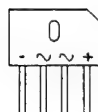
ERA83-006  
RD5.1ES-B2  
RD5.6ES-B2  
RD6.8ES-B2  
RD8.2ES-B3  
1SS168  
UZ-4.7BSC  
HZS5.1NB2  
HZS7.5NB3  
HZS8.2NB3



GP08D  
U05G



KBU4JL-6088  
RBV-406H-01



MA3051  
MA3056M  
MA3068M  
RD5.1M-B2  
RD5.6M-B2  
RD6.8M-B2



SPR-54MW



1 ANODE RED  
2 CATHODE  
3 ANODE GREEN



SECTION 6  
EXPLODED VIEWS

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

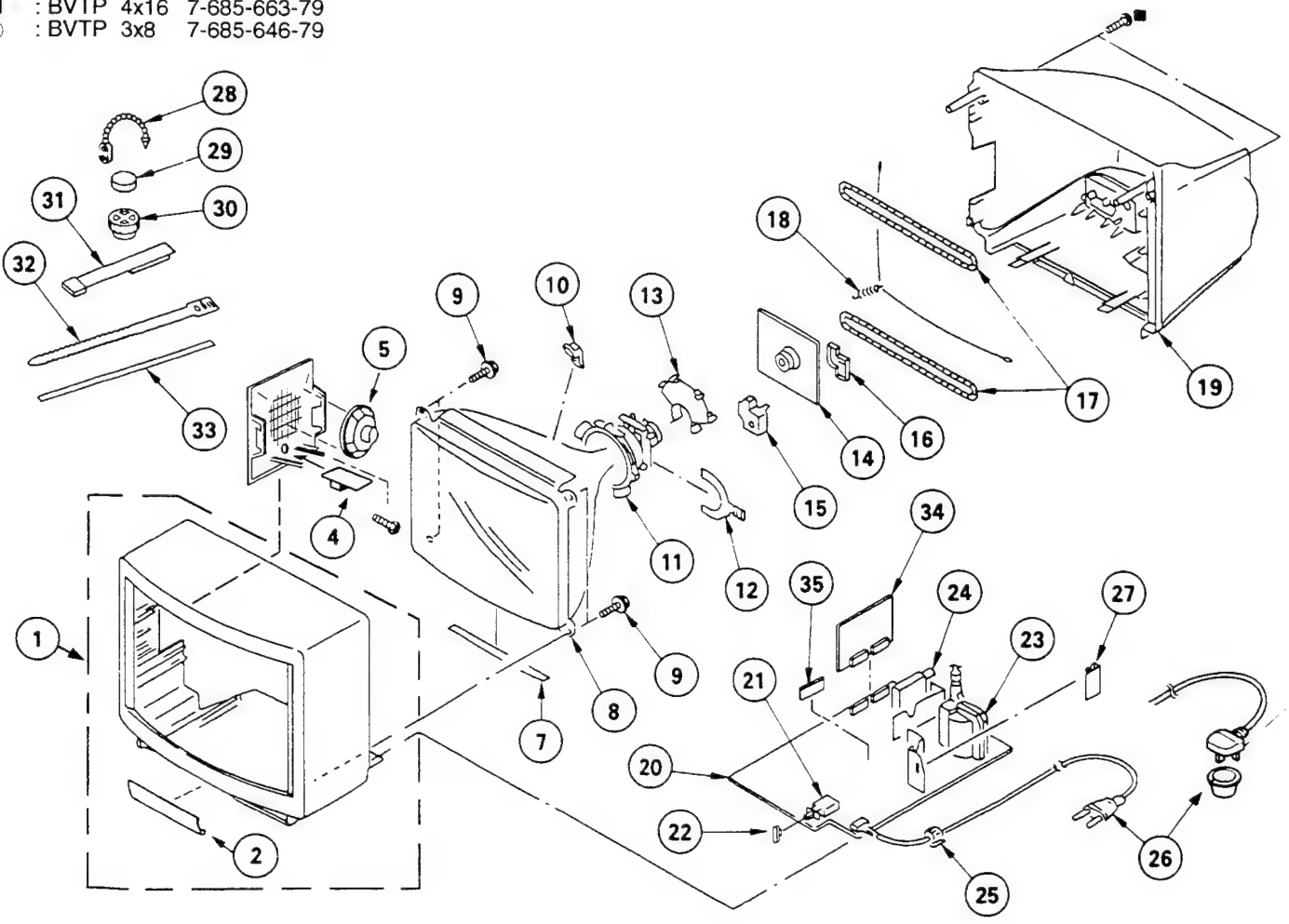
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked  $\Delta$  are critical for safety. Replace only with part number specified.

6-1. CHASSIS

- : BVTP 3x12 7-685-648-79
- : BVTP 4x16 7-685-663-79
- : BVTP 3x8 7-685-646-79



REF.NO.	PART NO	DESCRIPTION	REMARK	REF.NO.	PART NO	DESCRIPTION	REMARK
1	X-4200-126-1	CABINET, ASSY [BLACK] KV-M1400U, KV-M1401U KV-M1400D, KV-M1401D KV-M1400K, KV-M1401K KV-M1400L		2	4-202-311-01	WINDOW, ORNAMENTAL KV-M1400U, KV-M1401U KV-M1400D, KV-M1401D KV-M1400K, KV-M1401K KV-M1400L	
	X-4200-124-1	CABINET, ASSY [BLACK] KV-M1400A, KV-M1400B KV-M1400E			4-202-298-01	WINDOW, ORNAMENTAL KV-M1400A, KV-M1400B KV-M1400E	
	X-4200-126-2	CABINET, ASSY [WHITE] KV-M1400U, KV-M1401U KV-M1400D					

The components identified by shading and marked  $\Delta$  are critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**KV-M1400/M1401**  
RM-841

REF.NO.	PART NO	DESCRIPTION	REMARK	REF.NO.	PART NO	DESCRIPTION	REMARK
4	* 1-647-154-11	J1, BOARD		22	4-202-329-01	BUTTON, POWER [BLACK]	
5	1-544-374-11	SPEAKER			4-202-329-11	BUTTON, POWER [WHITE]	
7	4-389-350-01	CUSHION, CRT		23 $\Delta$	1-439-432-11	TRANSFORMER ASSY, FLYBACK[UX-1620]	
8 $\Delta$	8-735-555-05	PICTURE TUBE [A34JBU10X]		24	1-465-541-14	TUNER [BT-3C]	
9	4-365-808-01	SCREW [S], TAPPING				KV-M1400A, KV-M1400B	
10	3-704-495-01	SPACER, DY				KV-M1400E, KV-M1400K	
11 $\Delta$	1-451-249-31	DEFLECTION, YOKE [Y14NDA2]				KV-M1401K	
12	1-452-277-00	MAGNET, BMC			1-693-093-11	TUNER [BT-3C421]	
13	* 4-385-422-01	HOLDER, LEAD				KV-M1400D, KV-M1401D	
14	* A-1638-022-A	C BOARD, COMPLETE				KV-M1400L	
		KV-M1400K, KV-M1401K					
		KV-M1400D, KV-M1401D			1-465-542-13	TUNER [BT-3U601]	
		KV-M1400U, KV-M1401U				KV-M1400U, KV-M1401U	
		KV-M1400L		25 $\Delta$	4-389-201-03	HOLDER, AC CORD	
	* A-1638-035-A	C BOARD, COMPLETE				KV-M1400K, KV-M1401K	
		KV-M1400B, KV-M1400E				KV-M1400D, KV-M1401D	
		KV-M1400A				KV-M1400U, KV-M1401U	
						KV-M1400L	
15	* 4-374-912-01	COVER [MAIN], CV VOL		$\Delta$	4-389-201-11	HOLDER, AC CORD	
16	* 4-374-913-01	COVER [REAR LID], CV VOL				KV-M1400A, KV-M1400B	
17 $\Delta$	1-426-145-21	COIL, DEGAUSSING				KV-M1400E	
18	4-369-318-00	SPRING, TENSION		26 $\Delta$	1-690-296-11	CORD, POWER [WITH NOISE FILTER]	
19	4-202-331-01	COVER, REAR [BLACK]				KV-M1400A	
		KV-M1400K, KV-M1401K		$\Delta$	1-590-501-11	CORD, POWER [WITH NOISE FILTER]	
		KV-M1400D, KV-M1401D				KV-M1400D, KV-M1401D	
		KV-M1400U, KV-M1401U		$\Delta$	1-590-460-11	CORD, POWER [WITH CONNECTOR]	
		KV-M1400L				KV-M1400K, KV-M1401K	
	4-202-304-01	COVER, REAR [BLACK]		$\Delta$	1-690-270-11	CORD, POWER [WITH CONNECTOR]	
		KV-M1400B, KV-M1400E				KV-M1400B	
		KV-M1400A		$\Delta$	1-590-762-11	CORD, POWER [WITH PLUG]	
	4-202-331-11	COVER, REAR [WHITE]				KV-M1400U, KV-M1401U	
		KV-M1400U, KV-M1401U				KV-M1400L	
		KV-M1400D		27	* 4-200-400-01	PLATE, INSULATION	
20	* A-1632-130-A	A BOARD, COMPLETE [KV-M1400A]		28	4-308-870-00	CLIP, LEAD WIRE	
	* A-1632-125-A	A BOARD, COMPLETE [KV-M1400B]		29	1-452-032-00	MAGNET, DISK;10MM	
	* A-1632-128-A	A BOARD, COMPLETE [KV-M1400D]		30	1-452-094-00	MAGNET, ROTATABLE DISK;15MM	
	* A-1632-127-A	A BOARD, COMPLETE [KV-M1401D]		31	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
	* A-1632-129-A	A BOARD, COMPLETE [KV-M1400E]		32	3-701-007-00	BAND, BINDING	
	* A-1632-134-A	A BOARD, COMPLETE [KV-M1400K]		33	* 3-847-356-02	CLAMP	
	* A-1632-133-A	A BOARD, COMPLETE [KV-M1401K]		34	* A-1645-017-A	V BOARD, COMPLETE	
	* A-1632-132-A	A BOARD, COMPLETE [KV-M1400L]				KV-M1401D, KV-M1401U	
	* A-1632-126-A	A BOARD, COMPLETE [KV-M1400U]					
	* A-1632-112-A	A BOARD, COMPLETE [KV-M1401U]			* A-1645-020-A	V BOARD, COMPLETE	
21 $\Delta$	1-571-433-12	SWITCH, PUSH [AC POWER]				KV-M1401K	
				35	* A-1630-147-A	A1 BOARD, COMPLETE	
						KV-M1400K, KV-M1401K	

## ELECTRICAL PARTS LIST

## SECTION 7

The components identified by shading and marked  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

## RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS  
MF :  $\mu$ F, PF :  $\mu$  $\mu$ F

COILS  
MMH : mH, UH :  $\mu$ H

A1 KV-M1400K  
KV-M1401K

A KV-M1400K / M1401K  
KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1630-147-A	A1 BOARD, COMPLETE (M1400K/M1401K ONLY) *****	
	<CONNECTOR>		
CNA111	*1-568-877-51	PIN, CONNECTOR 2P	
CNA112	*1-573-787-11	SOCKET, CONNECTOR 6P	
	<CAPACITOR>		
C1111	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1112	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1113	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1114	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C1115	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C1116	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C1117	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C1118	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C1119	1-106-369-00	MYLAR 0.012MF	10% 400V
C1151	1-124-477-11	ELECT 47MF	20% 16V
C1152	1-106-379-12	MYLAR 0.033MF	10% 250V
C1153	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C1154	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	<FILTER>		
CD1101	1-404-710-11	DISCRIMINATOR, CERAMIC	
CF1111	1-527-840-00	FILTER, CERAMIC	
CF1112	1-567-570-11	FILTER, CERAMIC	
	<IC>		
IC1101	8-759-003-90	IC TBA129	
IC1102	8-752-006-12	IC CX20061	
	<COIL>		
L1108	1-408-410-00	INDUCTOR 12UH	
L1111	1-408-411-00	INDUCTOR 15UH	
L1112	1-408-409-00	INDUCTOR 10UH	
	<RESISTOR>		
R1111	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1112	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1113	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R1152	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R1153	1-216-045-00	METAL GLAZE 680 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1154	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1155	1-216-049-00	METAL GLAZE 1K 5%	1/10W
	*****		
	*A-1632-134-A	A BOARD, COMPLETE (KV-M1400K) *****	
	*A-1632-133-A	A BOARD, COMPLETE (KV-M1401K) *****	
	*A-1632-128-A	A BOARD, COMPLETE (KV-M1400D) *****	
	*A-1632-127-A	A BOARD, COMPLETE (KV-M1401D) *****	
TP15	*1-535-084-00	1P TERMINAL PIN	
	*4-200-399-01	SPACER, IC	
	*4-200-407-01	HOLDER, LED	
	<CAPACITOR>		
C001	1-126-101-11	ELECT 100MF	20% 16V
C002	1-106-220-00	MYLAR 0.1MF	10% 100V
C003	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C004	1-123-382-00	ELECT 3.3MF	20% 50V
C005	1-126-103-11	ELECT 470MF	20% 16V
C006	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C007	1-124-907-11	ELECT 10MF	20% 50V
C009	1-124-907-11	ELECT 10MF	20% 50V
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C012	1-126-233-11	ELECT 22MF	20% 50V
C018	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C020	1-124-903-11	ELECT 1MF	20% 50V
C021	1-124-907-11	ELECT 10MF	20% 50V
C022	1-124-907-11	ELECT 10MF	20% 50V
C023	1-124-907-11	ELECT 10MF	20% 50V
C024	1-124-907-11	ELECT 10MF	20% 50V
C025	1-124-916-11	ELECT 22MF	20% 50V
C026	1-124-903-11	ELECT 1MF	20% 50V
C030	1-124-903-11	ELECT 1MF	20% 50V
C037	1-163-034-00	CERAMIC CHIP 0.033MF	50V
C038	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C039	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C041	1-124-478-11	ELECT 100MF	20% 25V
C055	1-163-075-00	CERAMIC CHIP 0.047MF	50V
C058	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V
C059	1-163-031-11	CERAMIC CHIP 0.01MF	50V

A	KV-M1400K / M1401K
	KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
C062	1-126-101-11	ELECT 100MF	20% 16V
C063	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C101	1-124-477-11	ELECT 47MF	20% 16V
C102	1-124-910-11	ELECT 47MF	20% 50V
C103	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C104	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C105	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C106	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C107	1-124-477-11	ELECT 47MF	20% 16V
C112	1-163-109-00	CERAMIC CHIP 47PF	5% 50V (KV-M1400K/KV-M1401K ONLY)
	1-163-125-00	CERAMIC CHIP 220PF	5% 50V (KV-M1400D/KV-M1401D ONLY)
C114	1-163-129-00	CERAMIC CHIP 330PF	5% 50V (KV-M1400K/KV-M1401K ONLY)
	1-163-109-00	CERAMIC CHIP 47PF	5% 50V (KV-M1400D/KV-M1401D ONLY)
C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C120	1-163-173-00	CERAMIC CHIP 47PF	5% 50V
C123	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C125	1-124-917-11	ELECT 33MF	20% 50V
C128	1-163-025-11	CERAMIC CHIP 0.001MF	50V
C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C132	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C133	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C135	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C136	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C138	1-216-295-00	METAL GLAZE 0	5% 1/10W
C139	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C140	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C141	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C142	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C143	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C144	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C145	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C146	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C147	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C148	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C149	1-124-119-00	ELECT 330MF	20% 16V
C151	1-124-907-11	ELECT 10MF	20% 50V
C154	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C157	1-124-927-11	ELECT 4.7MF	20% 50V
C163	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C201	1-124-916-11	ELECT 22MF	20% 50V
C202	1-124-925-11	ELECT 2.2MF	20% 50V
C203	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C204	1-124-480-11	ELECT 470MF	20% 25V
C206	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V
C207	1-124-925-11	ELECT 2.2MF	20% 50V
C208	1-126-104-11	ELECT 470MF	20% 35V
C209	1-124-910-11	ELECT 47MF	20% 50V
C210	1-106-228-00	MYLAR 0.22MF	10% 100V
C301	1-124-907-11	ELECT 10MF	20% 50V (KV-M1400K/KV-M1401K ONLY)
C302	1-163-059-00	CERAMIC CHIP 0.01MF	50V
C303	1-163-059-00	CERAMIC CHIP 0.01MF	50V
C304	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C305	1-124-910-11	ELECT 47MF	20% 50V
C306	1-106-220-00	MYLAR 0.1MF	10% 100V
C307	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C308	1-124-910-11	ELECT 47MF	20% 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C309	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C310	1-124-917-11	ELECT 33MF	20% 50V (KV-M1400K/KV-M1401K ONLY)
C311	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C312	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C313	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C314	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C315	1-163-177-00	CERAMIC CHIP 68PF	5% 50V (KV-M1400K/KV-M1401K ONLY)
C316	1-163-377-11	CERAMIC CHIP 100PF	5% 50V
C317	1-163-093-00	CERAMIC CHIP 10PF	5% 50V
C318	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C319	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C321	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C323	1-163-055-00	CERAMIC CHIP 0.0047MF	10% 50V
C329	1-131-367-00	TANTALUM 22MF	10% 16V
C330	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C331	1-124-927-11	ELECT 4.7MF	20% 50V
C332	1-130-783-00	MYLAR 0.33MF	10% 100V
C333	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C334	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C335	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C336	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C337	1-130-834-00	MYLAR 1MF	10% 63V
C338	1-106-220-00	MYLAR 0.1MF	10% 100V
C339	1-106-220-00	MYLAR 0.1MF	10% 100V
C340	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
C341	1-130-783-00	MYLAR 0.33MF	10% 100V
C343	1-106-383-00	MYLAR 0.047MF	10% 100V
C344	1-130-783-00	MYLAR 0.33MF	10% 100V
C345	1-163-187-00	CERAMIC CHIP 180PF	5% 50V
C346	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C347	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C348	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C349	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C351	1-106-375-12	MYLAR 0.022MF	10% 250V (KV-M1400K/KV-M1401K ONLY)
C352	1-106-375-12	MYLAR 0.022MF	10% 250V
C353	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C354	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C355	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C356	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
C357	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C358	1-124-556-11	ELECT 2200MF	20% 16V
C359	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C360	1-124-903-11	ELECT 1MF	20% 50V
C361	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
C363	1-163-201-00	CERAMIC CHIP 680PF	5% 50V (KV-M1400K/KV-M1401K ONLY)
C364	1-163-137-00	CERAMIC CHIP 680PF	5% 50V (KV-M1400K/KV-M1401K ONLY)
C367	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C370	1-124-916-11	ELECT 22MF	20% 50V
C388	1-106-220-00	MYLAR 0.1MF	10% 100V
C401	1-124-910-11	ELECT 47MF	20% 50V
C403	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C404	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C430	1-164-336-11	CERAMIC CHIP 0.33MF	25V
C431	1-124-910-11	ELECT 47MF	20% 50V
C432	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C433	1-124-916-11	ELECT 22MF	20% 25V

# KV-M1400/M1401

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**A** KV-M1400K / M1401K  
KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
C434	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C475	1-124-916-11	ELECT 22MF	20% 50V
C476	1-108-702-11	MYLAR 0.068MF	10% 100V
C490	1-124-910-11	ELECT 47MF	20% 50V
C499	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
C501	1-163-181-00	CERAMIC CHIP 100PF	5% 50V
C502	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C503	1-163-181-00	CERAMIC CHIP 100PF	5% 50V
C504	1-124-122-11	ELECT 100MF	20% 50V
C505	1-124-916-11	ELECT 22MF	20% 50V
C506	1-106-228-00	MYLAR 0.22MF	10% 100V
C507	1-124-557-11	ELECT 1000MF	20% 25V
C508	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C509	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
C510	1-163-081-00	CERAMIC CHIP 0.22MF	25V
C511	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C512	1-108-702-11	MYLAR 0.068MF	10% 100V
C513	1-124-927-11	ELECT 4.7MF	20% 50V
C514	1-136-298-00	FILM 0.0033MF	5% 100V
C515	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C516	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C517	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C518	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C520	1-163-033-00	CERAMIC CHIP 0.022MF	(KV-M1400K/KV-M1401K ONLY) 50V
C521	1-131-377-00	TANTALUM 10MF	10% 10V
C524	1-106-228-00	MYLAR 0.22MF	10% 100V
C525	1-108-702-11	MYLAR 0.068MF	10% 100V
C526	1-124-910-11	ELECT 47MF	20% 50V
C527	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C529	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C530	1-163-197-00	CERAMIC CHIP 470PF	5% 50V
C531	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C532	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C536	1-124-927-11	ELECT 4.7MF	20% 50V
C537	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C540	1-216-295-00	METAL GLAZE 0	5% 1/10W
C601	△ 1-161-964-61	CERAMIC 0.0047MF	250V
C602	△ 1-161-964-61	CERAMIC 0.0047MF	250V
C603	1-162-599-12	CERAMIC 0.0047MF	250V
C604	1-125-318-00	ELECT(BLOCK) 220MF	20% 400V
C605	1-161-754-00	CERAMIC 0.001MF	10% 2KV
C606	1-104-728-11	FILM 0.047MF	(KV-M1400D/KV-M1401D ONLY) 10% 630V
C607	1-106-367-00	MYLAR 0.01MF	10% 400V
C608	1-161-753-00	CERAMIC 470PF	10% 3KV
C609	1-124-347-00	ELECT 100MF	20% 160V
C610	1-124-557-11	ELECT 1000MF	20% 25V
C612	1-102-228-00	CERAMIC 470PF	10% 500V
C614	1-126-101-11	ELECT 100MF	20% 16V
C618	1-124-916-11	ELECT 22MF	20% 50V
C621	△ 1-136-517-11	FILM 0.22MF	20% 300V
C623	△ 1-164-246-61	CERAMIC 0.0022MF	20% 400V
C624	1-161-754-00	CERAMIC 0.001MF	10% 2KV
C625	△ 1-136-517-11	FILM 0.22MF	20% 300V
C626	△ 1-163-161-91	CERAMIC CHIP 15PF	5% 50V
C627	△ 1-163-161-91	CERAMIC CHIP 15PF	(KV-M1400K/KV-M1401K ONLY) 5% 50V
C633	△ 1-164-246-61	CERAMIC 0.0022MF	(KV-M1400K/KV-M1401K ONLY) 20% 400V
C698	1-162-115-00	CERAMIC 330PF	10% 2KV

Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and marked △ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C801	1-136-559-11	MYLAR 0.0047MF	10% 400V
C802	1-102-212-00	CERAMIC 820PF	10% 500V
C803	1-102-244-00	CERAMIC 220PF	10% 500V
C804	1-126-101-11	ELECT 100MF	20% 16V
C805	1-136-076-00	FILM 0.0085MF	3% 2KV
C806	1-106-389-00	MYLAR 0.082MF	10% 200V
C807	1-162-116-00	CERAMIC 680PF	10% 2KV
C808	1-136-932-11	FILM 0.82MF	5% 100V
C809	1-106-367-00	MYLAR 0.01MF	10% 400V
C811	1-136-540-11	FILM 0.82MF	5% 160V
C812	1-124-634-11	ELECT 1MF	20% 250V
C813	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C814	1-126-542-11	ELECT 4.7MF	20% 160V
C815	1-124-916-11	ELECT 22MF	20% 50V
C816	1-102-228-00	CERAMIC 470PF	10% 500V
C817	1-123-948-00	ELECT 22MF	20% 250V
C818	1-106-375-12	MYLAR 0.022MF	10% 250V
C819	1-162-114-00	CERAMIC 0.0047MF	2KV
C820	1-162-318-11	CERAMIC 0.001MF	10% 500V
C821	1-126-101-11	ELECT 100MF	20% 16V
C822	1-162-318-11	CERAMIC 0.001MF	10% 500V
C823	1-126-233-11	ELECT 22MF	20% 50V
C824	1-124-913-11	ELECT 470MF	20% 50V
C825	1-106-367-00	MYLAR 0.01MF	10% 400V
C826	1-104-724-91	FILM 0.1MF	10% 250V
C840	1-124-902-00	ELECT 0.47MF	20% 50V
<FILTER>			
CD101	1-579-110-11	DISCRIMINATOR, CERAMIC	
CF501	1-404-801-11	TRAP, CERAMIC	
CF502	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	
SWF101	1-579-414-11	FILTER, SAWTOOTH WAVE	(KV-M1400K/KV-M1401K ONLY)
<CONNECTOR>			
CNA11	*1-506-947-11	PIN, CONNECTOR 6P	
CNA12	*1-568-877-51	PIN, CONNECTOR 2P	
CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
CNA22	*1-568-878-51	PIN, CONNECTOR 3P	
CNA42	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR	
CNA43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR	
CNA61	△ *1-508-765-11	PIN, CONNECTOR (5MM PITCH) 3P	
CNA62	△ *1-580-844-11	PIN, CONNECTOR (POWER)	
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P	
CNA83	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
<TRIMMER>			
CT331	1-141-418-11	CAP, ADJ	(KV-M1400K/KV-M1401K ONLY)
CT332	1-141-418-11	CAP, ADJ	
<DIODE>			
D002	8-719-920-55	DIODE SPR-54MWV	
D004	8-719-914-44	DIODE DAP202K	
D007	8-719-400-18	DIODE MA152WK	
D008	8-719-105-82	DIODE RD5.1M-B2	
D009	8-719-105-82	DIODE RD5.1M-B2	

The components identified by shading and marked  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**KV-M1400/M1401**  
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**A** KV-M1400K / M1401K  
KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
D011	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D101	8-719-110-03	DIODE RD7.5ESB2	
D102	8-719-110-03	DIODE RD7.5ESB2	
D103	8-719-110-03	DIODE RD7.5ESB2	
D104	8-719-400-18	DIODE MA152WK	
D110	8-719-109-85	DIODE RD5.1ESB2	
D301	8-719-914-44	DIODE DAP202K	
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-914-44	DIODE DAP202K	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-914-44	DIODE DAP202K	
D331	8-719-911-19	DIODE 1SS199 (KV-M1400K/KV-M1401K ONLY)	
D332	8-719-911-19	DIODE 1SS199 (KV-M1400K/KV-M1401K ONLY)	
D333	8-719-911-19	DIODE 1SS199	
D334	8-719-914-44	DIODE DAP202K	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6.8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-110-09	DIODE RD8.2ESB3	
D406	8-719-110-09	DIODE RD8.2ESB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D417	8-719-914-44	DIODE DAP202K	
D418	8-719-914-44	DIODE DAP202K	
D426	8-719-911-19	DIODE 1SS119	
D427	8-719-911-19	DIODE 1SS119	
D450	8-719-109-97	DIODE RD6.8ESB2	
D501	8-719-950-57	DIODE BYD33G	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D519	8-719-400-18	DIODE MA152WK	
D601	8-719-311-72	DIODE B3V-406H-01	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-908-03	DIODE GP08D	
D604	8-719-979-85	DIODE EGP20G	
D605	8-719-950-57	DIODE BYD33G	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-950-57	DIODE BYD33G	
D608	8-719-950-57	DIODE BYD33G	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-908-03	DIODE GP08D	
D611	8-719-303-49	DIODE R2M	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-979-85	DIODE EGP20G	
D803	8-719-950-57	DIODE BYD33G	
D805	8-719-950-57	DIODE BYD33G	
D806	8-719-976-64	DIODE RGP02-17	
D807	8-719-950-57	DIODE BYD33G	
D808	8-719-950-57	DIODE BYD33G	
D809	8-719-400-18	DIODE MA152WK	
D810	8-719-908-03	DIODE GP08D	
D811	8-719-908-03	DIODE GP08D	
D820	8-719-911-19	DIODE 1SS119	
<DELAY LINE>			
DL301	1-236-062-11	MODULE Y DELAY LINE	

REF.NO.	PART NO.	DESCRIPTION	REMARK
<FUSE>			
F601 $\Delta$	1-576-231-21	FUSE (H.B.C.) 4A/250V	
	4-201-057-01	COVER, FUSE; F601	
	1-533-230-12	HOLDER, FUSE; F601	
<IC>			
IC001	8-759-517-38	IC PCA84C840P-012	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	DIODE UPC574J	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-505-39	IC TDA4660/V2	
IC302	8-759-512-04	IC TDA3505-V1	
IC331	8-759-521-22	IC TDA4650/V4	
IC501	8-759-113-13	IC UPC1498H	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
IC801	8-759-945-58	IC RC4558P	
IC802	8-759-604-39	IC M5F78M12L	
<JACK>			
J401	1-561-534-00	SOCKET, PIN 21P	
<COIL>			
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L106	1-408-415-00	INDUCTOR 33UH	
L107	1-408-410-00	INDUCTOR 12UH	
L111	1-410-872-21	INDUCTOR 10UH (KV-M1400K/KV-M1401K ONLY)	
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L331	1-404-554-11	COIL	
L405	1-408-409-00	INDUCTOR 10UH	
L406	1-408-417-00	INDUCTOR 47UH	
L501	1-404-493-00	COIL	
L502	1-408-405-00	INDUCTOR 4.7UH (KV-M1400K/KV-M1401K ONLY)	
	1-408-408-00	INDUCTOR 8.2UH (KV-M1400D/KV-M1401D ONLY)	
L801	1-407-365-00	COIL, CHOKE	
L802	1-420-872-00	COIL, AIR CORE	
L804	1-459-856-11	COIL, FERRITE	
L805	1-408-236-00	INDUCTOR 2.7MMH	
L806	1-459-756-12	COIL, HORIZONTAL LINEARITY	
L807	1-410-067-21	INDUCTOR 4.7MMH	
L808	1-408-226-00	INDUCTOR 82UH	
L809	1-407-504-00	INDUCTOR 10MMH	
<VARIABLE COIL>			
LV301	1-404-554-11	COIL	
<IC LINK>			
PS801 $\Delta$	1-532-679-91	LINK, IC (ICP-N15) 0.6A	



A KV-M1400K / M1401K  
KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>			
Q001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q003	8-729-901-01	TRANSISTOR DTC144EK	
Q004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q005	8-729-923-54	TRANSISTOR DTA143TK	
Q006	8-729-922-66	TRANSISTOR 2SC2410SN	
Q007	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q015	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q016	8-729-901-47	TRANSISTOR DTA143EK	
Q017	8-729-216-22	TRANSISTOR 2SA1162G	
Q019	8-729-901-06	TRANSISTOR DTA144EK	
Q020	8-729-901-00	TRANSISTOR DTC124EK	
Q101	8-729-901-47	TRANSISTOR DTA143EK	
Q102	8-729-901-47	TRANSISTOR DTA143EK	
Q103	8-729-901-47	TRANSISTOR DTA143EK	
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q106	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q107	8-729-216-22	TRANSISTOR 2SA1162G	
Q112	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q114	8-729-901-00	TRANSISTOR DTC124EK	
Q115	8-729-901-00	TRANSISTOR DTC124EK	
Q141	8-729-014-99	TRANSISTOR BF959-AMMO	
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q303	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q305	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q306	8-729-901-00	TRANSISTOR DTC124EK (KV-M1400K/KV-M1401K ONLY)	
Q307	8-729-216-22	TRANSISTOR 2SA1162G	
Q310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q311	8-729-216-22	TRANSISTOR 2SA1162G	
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q457	8-729-216-22	TRANSISTOR 2SA1162G	
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q505	8-729-216-22	TRANSISTOR 2SA1162G	
Q601	8-729-906-74	TRANSISTOR BC637-16	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-925-64	TRANSISTOR BU508AS2	
Q803	8-729-904-27	TRANSISTOR 2SD1761-E	
<RESISTOR>			
JR44	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR53	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR99	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR003	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR004	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR005	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR006	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR009	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR010	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR011	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR012	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR015	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR016	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR017	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR018	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR019	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR020	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR026	1-216-295-00	METAL GLAZE 0 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR028	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR029	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR030	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR034	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR036	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR037	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR038	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR039	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR044	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR045	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR050	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR051	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR052	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR060	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR101	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR102	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR103	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR104	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR105	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR106	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR107	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR108	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR109	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR116	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR117	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR118	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR121	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR122	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR123	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR125	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR126	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR127	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR128	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR129	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR130	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR131	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR133	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR134	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR135	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR137	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR139	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR140	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR144	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR147	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR148	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR149	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR150	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR155	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR182	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR183	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR184	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R001	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R002	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R003	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R004	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R005	1-216-206-00	METAL GLAZE 2.2K 5% 1/8W	
R006	1-216-254-00	METAL GLAZE 220K 5% 1/8W	
R007	1-216-190-00	METAL GLAZE 470 5% 1/8W	
R008	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R009	1-216-049-00	METAL GLAZE 1K 5% 1/10W	



**A** KV-M1400K / M1401K  
KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R010	1-216-198-00	METAL GLAZE 1K 5%	1/8W	R082	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R011	1-216-035-00	METAL GLAZE 270 5%	1/10W	R083	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
				R084	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R012	1-216-248-00	METAL GLAZE 120K 5%	1/8W	R086	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R013	1-216-077-00	METAL GLAZE 15K 5%	1/10W			(KV-M1400K/KV-M1401K ONLY)	
R014	1-216-689-11	METAL GLAZE 39K 5%	1/10W	R087	1-216-027-00	METAL GLAZE 120 5%	1/10W
R015	1-216-230-00	METAL GLAZE 22K 5%	1/8W	R089	1-216-212-00	METAL GLAZE 3.9K 5%	1/8W
R016	1-216-049-00	METAL GLAZE 1K 5%	1/10W			(KV-M1400K/KV-M1401K ONLY)	
R017	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R094	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R018	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R095	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R019	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R096	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R020	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R021	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R097	1-216-085-00	METAL GLAZE 33K 5%	1/10W
				R099	1-216-228-00	METAL GLAZE 18K 5%	1/8W
R022	1-216-198-00	METAL GLAZE 1K 5%	1/8W	R100	1-216-017-00	METAL GLAZE 47 5%	1/10W
R023	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R101	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R024	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R102	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R025	1-216-097-00	METAL GLAZE 100K 5%	1/10W				
R026	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R103	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R104	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R028	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R105	1-216-109-00	METAL GLAZE 330K 5%	1/10W
R029	1-216-041-00	METAL GLAZE 470 5%	1/10W	R106	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R030	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R107	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R031	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R032	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R108	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R109	1-216-190-00	METAL GLAZE 470 5%	1/8W
R033	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R110	1-249-437-11	CARBON 47K 5%	1/4W
R034	1-216-238-00	METAL GLAZE 47K 5%	1/8W	R111	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R035	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R112	1-249-411-11	CARBON 330 5%	1/4W
R038	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R040	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R113	1-216-077-00	METAL GLAZE 15K 5%	1/10W
				R114	1-216-238-00	METAL GLAZE 47K 5%	1/8W
R041	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R115	1-216-045-00	METAL GLAZE 680 5%	1/10W
R042	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R116	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R043	1-215-900-11	METAL OXIDE 22K 5%	2W	R118	1-216-037-00	METAL GLAZE 330 5%	1/10W
R044	1-216-105-00	METAL GLAZE 220K 5%	1/10W			(KV-M1400K/KV-M1401K ONLY)	
R045	1-216-089-00	METAL GLAZE 47K 5%	1/10W		1-216-035-00	METAL GLAZE 270 5%	1/10W
						(KV-M1400D/KV-M1401D ONLY)	
R046	1-216-081-00	METAL GLAZE 22K 5%	1/10W				
R047	1-216-079-00	METAL GLAZE 18K 5%	1/10W	R119	1-216-045-00	METAL GLAZE 680 5%	1/10W
R048	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W	R130	1-249-409-11	CARBON 220 5%	1/4W
R049	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R131	1-216-041-00	METAL GLAZE 470 5%	1/10W
R050	1-216-250-00	METAL GLAZE 150K 5%	1/8W	R132	1-216-295-00	METAL GLAZE 0 5%	1/10W
				R136	1-216-041-00	METAL GLAZE 470 5%	1/10W
R051	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R052	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R138	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R053	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R139	1-216-295-00	METAL GLAZE 0 5%	1/10W
R054	1-249-395-11	CARBON 15 5%	1/4W	R140	1-216-037-00	METAL GLAZE 330 5%	1/10W
R055	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W			(KV-M1400K/KV-M1401K ONLY)	
					1-216-045-00	METAL GLAZE 680 5%	1/10W
R056	1-216-041-00	METAL GLAZE 470 5%	1/10W			(KV-M1400D/KV-M1401D ONLY)	
R058	1-249-434-11	CARBON 27K 5%	1/4W	R141	1-216-021-00	METAL GLAZE 68 5%	1/10W
R059	1-216-089-00	METAL GLAZE 47K 5%	1/10W			(KV-M1400K/KV-M1401K ONLY)	
R060	1-216-234-00	METAL GLAZE 33K 5%	1/8W		1-216-029-00	METAL GLAZE 150 5%	1/10W
R061	1-216-079-00	METAL GLAZE 18K 5%	1/10W			(KV-M1400D/KV-M1401D ONLY)	
				R142	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R062	1-216-242-00	METAL GLAZE 68K 5%	1/8W				
R064	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R143	1-216-033-00	METAL GLAZE 220 5%	1/10W
R070	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R144	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
		(KV-M1400K/KV-M1401K ONLY)		R147	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R071	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W	R148	1-216-017-00	METAL GLAZE 47 5%	1/10W
		(KV-M1400K/KV-M1401K ONLY)		R149	1-216-182-00	METAL GLAZE 220 5%	1/8W
R072	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
				R151	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R075	1-216-248-00	METAL GLAZE 120K 5%	1/8W	R152	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R076	1-216-198-00	METAL GLAZE 1K 5%	1/8W	R153	1-215-867-00	METAL OXIDE 470 5%	1W
R077	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R199	1-216-029-00	METAL GLAZE 150 5%	1/10W
R078	1-216-049-00	METAL GLAZE 1K 5%	1/10W			(KV-M1400K/KV-M1401K ONLY)	
R079	1-216-049-00	METAL GLAZE 1K 5%	1/10W		1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
						(KV-M1400D/KV-M1401D ONLY)	
R081	1-216-198-00	METAL GLAZE 1K 5%	1/8W				

**A** KV-M1400K / M1401K  
KV-M1400D / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
R201	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R202	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R203	1-216-298-00	METAL GLAZE 2.2 5%	1/10W
R204	1-247-741-11	CARBON 150 5%	1/2W
R205	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R206	1-216-035-00	METAL GLAZE 270 5%	1/10W
R207	1-216-298-00	METAL GLAZE 2.2 5%	1/10W
R301	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R302	1-216-033-00	METAL GLAZE 220 5%	(KV-M1400K/KV-M1401K ONLY) 1/10W
R303	1-216-033-00	METAL GLAZE 220 5%	1/10W
R304	1-216-033-00	METAL GLAZE 220 5%	1/10W
R305	1-216-033-00	METAL GLAZE 220 5%	1/10W
R306	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R307	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R308	1-216-033-00	METAL GLAZE 220 5%	1/10W
R309	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R310	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R311	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R312	1-216-174-00	METAL GLAZE 100 5%	1/8W
R313	1-216-174-00	METAL GLAZE 100 5%	1/8W
R314	1-216-025-00	METAL GLAZE 100 5%	1/10W
R315	1-216-047-00	METAL GLAZE 820 5%	1/10W
R316	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R317	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W
R318	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R319	1-216-089-00	METAL GLAZE 47K 5%	(KV-M1400K/KV-M1401K ONLY) 1/10W
R320	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R321	1-216-023-00	METAL GLAZE 82 5%	1/10W
R322	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R323	1-216-192-00	METAL GLAZE 560 5%	1/8W
R324	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R325	1-249-410-11	CARBON 270 5%	1/4W
R326	1-216-035-00	METAL GLAZE 270 5%	1/10W
R327	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R328	1-216-001-00	METAL GLAZE 10 5%	1/10W
R329	1-216-109-00	METAL GLAZE 330K 5%	1/10W
R330	1-216-244-00	METAL GLAZE 82K 5%	1/8W
R331	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R332	1-216-270-00	METAL GLAZE 1M 5%	1/8W
R333	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R334	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R335	1-216-001-00	METAL GLAZE 10 5%	1/10W
R336	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R337	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R338	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R341	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R342	1-216-041-00	METAL GLAZE 470 5%	1/10W
R343	1-216-031-00	METAL GLAZE 180 5%	1/10W
R346	1-216-037-00	METAL GLAZE 330 5%	1/10W
R347	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R348	1-216-033-00	METAL GLAZE 220 5%	1/10W
R349	1-216-029-00	METAL GLAZE 150 5%	1/10W
R350	1-216-041-00	METAL GLAZE 470 5%	1/10W
R351	1-216-043-00	METAL GLAZE 560 5%	1/10W
R352	1-216-039-00	METAL GLAZE 390 5%	1/10W
R353	1-249-438-11	CARBON 56K 5%	1/4W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R354	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R355	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R356	1-216-041-00	METAL GLAZE 470 5%	1/10W
R357	1-216-039-00	METAL GLAZE 390 5%	1/10W
R360	1-216-001-00	METAL GLAZE 10 5%	1/10W
R363	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R364	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R399	1-216-037-00	METAL GLAZE 330 5%	1/10W
R402	1-216-172-00	METAL GLAZE 82 5%	1/8W
R403	1-216-023-00	METAL GLAZE 82 5%	1/10W
R404	1-216-023-00	METAL GLAZE 82 5%	1/10W
R405	1-216-023-00	METAL GLAZE 82 5%	1/10W
R406	1-216-226-00	METAL GLAZE 15K 5%	1/8W
R407	1-216-226-00	METAL GLAZE 15K 5%	1/8W
R408	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R409	1-216-023-00	METAL GLAZE 82 5%	1/10W
R411	1-216-037-00	METAL GLAZE 330 5%	1/10W
R412	1-216-037-00	METAL GLAZE 330 5%	1/10W
R413	1-216-037-00	METAL GLAZE 330 5%	1/10W
R414	1-216-041-00	METAL GLAZE 470 5%	1/10W
R420	1-216-182-00	METAL GLAZE 220 5%	1/8W
R421	1-216-449-11	METAL OXIDE 56 5%	2W
R423	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R424	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R425	1-216-033-00	METAL GLAZE 220 5%	1/10W
R426	1-216-045-00	METAL GLAZE 680 5%	1/10W
R427	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R428	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R430	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R432	1-249-403-11	CARBON 68 5%	1/4W
R433	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R434	1-216-029-00	METAL GLAZE 150 5%	1/10W
R435	1-216-033-00	METAL GLAZE 220 5%	1/10W
R436	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R437	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R501	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R502	1-247-743-11	CARBON 220 5%	1/2W
R503	1-249-437-11	CARBON 47K 5%	1/4W
R504	1-216-017-00	METAL GLAZE 47 5%	1/10W
R505	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R507	1-216-350-11	METAL OXIDE 1.2 5%	1W F
R508	1-215-867-00	METAL OXIDE 470 5%	1W
R510	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R511	1-216-244-00	METAL GLAZE 82K 5%	1/8W
R512	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R513	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R514	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R515	1-216-683-11	METAL CHIP 22K 0.50%	1/10W
R516	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R517	1-216-031-00	METAL GLAZE 180 5%	1/10W
R518	1-216-295-00	METAL GLAZE 0 5%	1/10W
R519	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R520	1-216-258-00	METAL GLAZE 330K 5%	1/8W
R521	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R522	1-215-863-11	METAL OXIDE 100 5%	1W
R523	1-247-754-11	CARBON 1.5K 5%	1/2W
R524	1-216-099-00	METAL GLAZE 120K 5%	1/10W
R525	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R527	1-215-869-11	METAL OXIDE 1K 5%	1W
R532	1-216-081-00	METAL GLAZE 22K 5%	1/10W

The components identified by shading and marked  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

KV-M1400/M1401  
RM-84

**A** KV-M1400K / M1401K  
KV-M1400D / M1401D

**A** KV-M1400B

REF.NO.	PART NO.	DESCRIPTION	REMARK
R533	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W
R534	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R535	1-216-107-00	METAL GLAZE 270K 5%	1/10W
R539	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R542	1-216-025-00	METAL GLAZE 100 5%	1/10W
R543	1-249-408-11	CARBON 180 5%	1/4W
R545	1-216-278-00	METAL GLAZE 2.2M 5%	1/8W
R548	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R601	$\Delta$ 1-205-909-11	WIREWOUND 3.3 5%	10W
R602	1-214-923-00	CARBON 270K 5%	1/2W
R603	1-215-903-11	METAL OXIDE 68K 5%	2W
R604	1-247-752-11	CARBON 1K 5%	1/2W
R606	1-212-877-11	FUSIBLE 68 5%	1/4W
R608	1-215-884-11	METAL OXIDE 47 5%	2W
R609	1-207-905-00	WIREWOUND 0.27 10%	2W
R611	1-214-915-00	CARBON 120K 5%	1/2W
R612	1-217-137-11	FUSIBLE 0.33 5%	1/4W
R613	1-217-811-11	FUSIBLE 0.47 5%	1/4W
R614	1-216-037-00	METAL GLAZE 330 5%	1/10W
R615	1-216-013-00	METAL GLAZE 33 5%	1/10W
R617	1-216-354-11	METAL OXIDE 2.7 5%	1W F
R620	1-216-465-11	METAL OXIDE 27K 5%	2W
R621	1-216-465-11	METAL OXIDE 27K 5%	2W
R626	$\Delta$ 1-216-238-00	METAL GLAZE 47K 5%	1/8W (KV-M1400D/KV-M1401D ONLY)
R627	$\Delta$ 1-216-238-00	METAL GLAZE 47K 5%	1/8W (KV-M1400D/KV-M1401D ONLY)
R628	1-218-265-11	METAL GLAZE 8.2M 5%	1W
R629	1-213-096-00	FUSIBLE 330 5%	1W (KV-M1400D/KV-M1401D ONLY)
R801	1-217-778-11	FUSIBLE 1K 5%	1W F
R802	1-217-826-11	FUSIBLE 10K 5%	1/4W
R803	1-216-355-11	METAL OXIDE 3.3 5%	1W F
R804	1-216-013-00	METAL GLAZE 33 5%	1/10W
R805	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R806	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R807	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R808	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R809	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R810	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R811	1-216-099-00	METAL GLAZE 120K 5%	1/10W
R812	1-217-778-11	FUSIBLE 1K 5%	1W F
R813	1-212-877-11	FUSIBLE 68 5%	1/4W
R814	1-217-820-11	FUSIBLE 3.3K 5%	1/4W
R816	1-247-889-00	CARBON 270K 5%	1/4W
R817	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R818	1-202-830-00	SOLID 10K 10%	1/2W
R819	1-217-811-11	FUSIBLE 0.47 5%	1/4W
R820	1-217-811-11	FUSIBLE 0.47 5%	1/4W
R821	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R822	1-216-204-00	METAL GLAZE 1.8K 5%	1/8W
R824	1-215-863-11	METAL OXIDE 100 5%	1W F
R826	1-216-025-00	METAL GLAZE 100 5%	1/10W
R827	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R850	1-215-882-00	METAL OXIDE 22 5%	2W F
R851	1-247-895-00	CARBON 470K 5%	1/4W
<VARIABLE RESISTOR>			
RV001	1-241-627-11	RES. ADJ, CARBON 1K	
RV331	1-241-627-11	RES. ADJ, CARBON 1K	
RV501	1-241-630-11	RES. ADJ, CARBON 10K	

REF.NO.	PART NO.	DESCRIPTION	REMARK
RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K	
RV503	1-238-019-11	RES, ADJ, CARBON 47K	
RV504	1-238-019-11	RES, ADJ, CARBON 47K	
RV505	1-238-009-11	RES, ADJ, CARBON 220	
RV801	1-238-019-11	RES, ADJ, CARBON 47K	
<SWITCH>			
S001	1-571-532-21	SWITCH, TACTIL	
S002	1-571-532-21	SWITCH, TACTIL	
S003	1-571-532-21	SWITCH, TACTIL	
S601	$\Delta$ 1-571-433-12	SWITCH, PUSH (AC POWER)	
<SPARK GAP>			
SG801	1-519-422-11	GAP, SPARK	
<TRANSFORMER>			
T601	$\Delta$ 1-450-217-22	S.R.T	
T603	$\Delta$ 1-421-776-11	LFT	
T604	$\Delta$ 1-424-078-11	TRANSFORMER, TRIGGER PULSE	
T605	$\Delta$ 1-424-391-11	TRANSFORMER, LINE FILTER	
T801	1-437-090-00	HDT	
T802	$\Delta$ 1-439-432-11	TRANSFORMER ASSY, FLYBACK UX-1623	
<THERMISTOR>			
THP601	$\Delta$ 1-806-165-12	THERMISTOR (POSITIVE)	
<TUNER>			
TU101	1-465-541-11	TUNER (BT-3C)	(M1400K/M1401K)
	1-693-093-11	TUNER (BT-3C421)	(M1400D/M1401D)
<CRYSTAL>			
X001	1-577-619-11	VIBRATOR, CRYSTAL	
X331	1-567-307-11	OSCILLATOR, CRYSTAL	
			(KV-M1400K/KV-M1401K ONLY)
X332	1-567-131-00	OSCILLATOR, CRYSTAL	
*****			
	*A-1632-125-A	A BOARD, COMPLETE	(M1400B)
		*****	
TP15	*1-535-084-00	1P TERMINAL PIN	
	*4-200-399-11	SPACER, IC	
<CAPACITOR>			
C001	1-126-101-11	ELECT 100MF	20% 16V
C002	1-106-220-00	MYLAR 0.1MF	10% 100V
C003	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C004	1-123-382-00	ELECT 3.3MF	20% 50V
C005	1-126-103-11	ELECT 470MF	20% 16V
C006	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C007	1-124-907-11	ELECT 10MF	20% 50V
C009	1-124-907-11	ELECT 10MF	20% 50V
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C012	1-126-233-11	ELECT 22MF	20% 50V
C018	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C020	1-124-903-11	ELECT 1MF	20% 50V
C021	1-124-907-11	ELECT 10MF	20% 50V
C023	1-124-907-11	ELECT 10MF	20% 50V
C024	1-124-907-11	ELECT 10MF	20% 50V

## A KV-M1400B

REF.NO.	PART NO.	DESCRIPTION	REMARK
C025	1-124-916-11	ELECT 22MF	20% 50V
C026	1-124-903-11	ELECT 1MF	20% 50V
C030	1-124-903-11	ELECT 1MF	20% 50V
C037	1-163-034-00	CERAMIC CHIP 0.033MF	50V
C038	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C039	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C041	1-124-478-11	ELECT 100MF	20% 25V
C055	1-163-075-00	CERAMIC CHIP 0.047MF	50V
C058	1-162-623-11	CERAMIC CHIP 0.1MF	10% 25V
C059	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C062	1-126-101-11	ELECT 100MF	20% 16V
C063	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C101	1-124-907-11	ELECT 10MF	20% 50V
C102	1-124-910-11	ELECT 47MF	20% 50V
C103	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C104	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C105	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C107	1-124-477-11	ELECT 47MF	20% 16V
C108	1-124-916-11	ELECT 22MF	20% 50V
C109	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C110	1-124-927-11	ELECT 4.7MF	20% 50V
C111	1-124-907-11	ELECT 10MF	20% 50V
C112	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C114	1-163-127-00	CERAMIC CHIP 270PF	5% 50V
C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C117	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C118	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C119	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C120	1-163-173-00	CERAMIC CHIP 47PF	5% 50V
C121	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C122	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C123	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C125	1-124-917-11	ELECT 33MF	20% 50V
C126	1-124-925-11	ELECT 2.2MF	20% 50V
C128	1-163-025-11	CERAMIC CHIP 0.001MF	50V
C129	1-136-171-00	FILM 0.33MF	5% 50V
C130	1-136-171-00	FILM 0.33MF	5% 50V
C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C132	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C133	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C134	1-136-562-11	MYLAR 0.0082MF	10% 400V
C135	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C136	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C139	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C140	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C141	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C142	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C143	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C144	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C145	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C146	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C147	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C148	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C149	1-124-119-00	ELECT 330MF	20% 16V
C151	1-124-925-11	ELECT 2.2MF	20% 50V
C154	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C155	1-216-266-00	METAL GLAZE 680K 5%	1/8W
C156	1-163-215-00	CERAMIC CHIP 0.0027MF	5% 50V
C157	1-124-910-11	ELECT 47MF	20% 50V
C161	1-163-125-00	CERAMIC CHIP 220PF	5% 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C163	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C201	1-124-916-11	ELECT 22MF	20% 50V
C202	1-124-925-11	ELECT 2.2MF	20% 50V
C203	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C204	1-124-480-11	ELECT 470MF	20% 25V
C206	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V
C207	1-124-925-11	ELECT 2.2MF	20% 50V
C208	1-126-104-11	ELECT 470MF	20% 35V
C209	1-124-910-11	ELECT 47MF	20% 50V
C210	1-106-228-00	MYLAR 0.22MF	10% 100V
C302	1-163-059-00	CERAMIC CHIP 0.01MF	50V
C303	1-163-059-00	CERAMIC CHIP 0.01MF	50V
C304	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C305	1-124-910-11	ELECT 47MF	20% 50V
C306	1-106-220-00	MYLAR 0.1MF	10% 100V
C307	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C308	1-124-910-11	ELECT 47MF	20% 50V
C309	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C311	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C312	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C313	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C314	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C316	1-163-377-11	CERAMIC CHIP 100PF	5% 50V
C317	1-163-093-00	CERAMIC CHIP 10PF	5% 50V
C318	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C319	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C321	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C323	1-163-055-00	CERAMIC CHIP 0.0047MF	10% 50V
C329	1-131-367-00	TANTALUM 22MF	10% 16V
C330	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C331	1-124-927-11	ELECT 4.7MF	20% 50V
C332	1-130-783-00	MYLAR 0.33MF	10% 100V
C333	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C334	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C335	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C336	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C337	1-130-834-00	MYLAR 1MF	10% 63V
C338	1-106-220-00	MYLAR 0.1MF	10% 100V
C339	1-106-220-00	MYLAR 0.1MF	10% 100V
C340	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
C341	1-130-783-00	MYLAR 0.33MF	10% 100V
C343	1-106-383-00	MYLAR 0.047MF	10% 100V
C344	1-130-783-00	MYLAR 0.33MF	10% 100V
C345	1-163-187-00	CERAMIC CHIP 180PF	5% 50V
C346	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C347	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C348	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C349	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C352	1-106-375-12	MYLAR 0.022MF	10% 250V
C353	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C354	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C355	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C356	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
C357	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C358	1-124-556-11	ELECT 2200MF	20% 16V
C359	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C360	1-124-903-11	ELECT 1MF	20% 50V
C361	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
C367	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C370	1-124-916-11	ELECT 22MF	20% 50V



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REF.NO.	PART NO.	DESCRIPTION	REMARK
C388	1-106-220-00	MYLAR 0.1MF	10% 100V
C401	1-124-910-11	ELECT 47MF	20% 50V
C403	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C404	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C430	1-164-336-11	CERAMIC CHIP 0.33MF	25V
C431	1-124-910-11	ELECT 47MF	20% 50V
C432	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C433	1-124-916-11	ELECT 22MF	20% 25V
C434	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C475	1-124-916-11	ELECT 22MF	20% 50V
C476	1-108-702-11	MYLAR 0.068MF	10% 100V
C490	1-124-910-11	ELECT 47MF	20% 50V
C499	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
C501	1-163-181-00	CERAMIC CHIP 100PF	5% 50V
C502	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C503	1-163-181-00	CERAMIC CHIP 100PF	5% 50V
C504	1-124-122-11	ELECT 100MF	20% 50V
C505	1-124-916-11	ELECT 22MF	20% 50V
C506	1-106-228-00	MYLAR 0.22MF	10% 100V
C507	1-124-557-11	ELECT 1000MF	20% 25V
C508	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C509	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
C510	1-163-081-00	CERAMIC CHIP 0.22MF	25V
C511	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C512	1-108-702-11	MYLAR 0.068MF	10% 100V
C513	1-124-927-11	ELECT 4.7MF	20% 50V
C514	1-136-298-00	FILM 0.0033MF	5% 100V
C515	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C516	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C517	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C520	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C521	1-131-381-00	TANTALUM 47MF	10% 10V
C522	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C523	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C524	1-106-228-00	MYLAR 0.22MF	10% 100V
C525	1-106-375-12	MYLAR 0.022MF	10% 250V
C526	1-124-910-11	ELECT 47MF	20% 50V
C527	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C528	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C529	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C530	1-163-197-00	CERAMIC CHIP 470PF	5% 50V
C531	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C532	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C535	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C536	1-124-927-11	ELECT 4.7MF	20% 50V
C537	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C538	1-124-282-00	ELECT 22MF	20% 16V
C540	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C601	$\Delta$ 1-161-964-61	CERAMIC 0.0047MF	250V
C602	$\Delta$ 1-162-964-61	CERAMIC 0.0047MF	250V
C603	1-162-599-12	CERAMIC 0.0047MF	250V
C604	1-125-318-00	ELECT(BLOCK) 220MF	20% 400V
C606	1-104-728-11	FILM 0.047MF	10% 630V
C607	1-106-367-00	MYLAR 0.01MF	10% 400V
C608	1-161-753-00	CERAMIC 470PF	10% 3KV
C609	1-124-347-00	ELECT 100MF	20% 160V
C610	1-124-557-11	ELECT 1000MF	20% 25V
C612	1-102-228-00	CERAMIC 470PF	10% 500V
C614	1-126-101-11	ELECT 100MF	20% 16V
C618	1-124-916-11	ELECT 22MF	20% 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C621	$\Delta$ 1-136-517-11	FILM 0.22MF	20% 300V
C623	$\Delta$ 1-164-246-61	CERAMIC 0.0022MF	20% 400V
C624	1-161-754-00	CERAMIC 0.001MF	10% 2KV
C633	$\Delta$ 1-164-246-61	CERAMIC 0.0022MF	20% 400V
C801	1-136-559-11	MYLAR 0.0047MF	10% 400V
C802	1-102-212-00	CERAMIC 820PF	10% 500V
C803	1-102-244-00	CERAMIC 220PF	10% 500V
C804	1-126-101-11	ELECT 100MF	20% 16V
C805	1-136-076-00	FILM 0.0085MF	3% 2KV
C806	1-106-389-00	MYLAR 0.082MF	10% 200V
C807	1-162-116-00	CERAMIC 680PF	10% 2KV
C808	1-136-932-11	FILM 0.82MF	5% 100V
C809	1-106-367-00	MYLAR 0.01MF	10% 400V
C811	1-136-540-11	FILM 0.82MF	5% 160V
C812	1-124-634-11	ELECT 1MF	20% 250V
C813	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C814	1-123-932-00	ELECT 4.7MF	20% 160V
C815	1-124-916-11	ELECT 22MF	20% 50V
C816	1-102-228-00	CERAMIC 470PF	10% 500V
C817	1-123-948-00	ELECT 22MF	20% 250V
C818	1-106-375-12	MYLAR 0.022MF	10% 250V
C819	1-162-114-00	CERAMIC 0.0047MF	2KV
C820	1-162-318-11	CERAMIC 0.001MF	10% 500V
C821	1-126-101-11	ELECT 100MF	20% 16V
C822	1-162-318-11	CERAMIC 0.001MF	10% 500V
C823	1-126-233-11	ELECT 22MF	20% 50V
C824	1-124-913-11	ELECT 470MF	20% 50V
C825	1-106-367-00	MYLAR 0.01MF	10% 400V
C840	1-124-902-00	ELECT 0.47MF	20% 50V
<FILTER>			
CD101	1-579-110-11	DISCRIMINATOR, CERAMIC	
CF501	1-409-430-11	TRAP, CERAMIC	
SWF101	1-579-273-11	FILTER, SURFACE WAVE	
SWF102	1-404-711-11	SAWF	
SWF103	1-404-712-11	SAWF	
XF501	1-527-840-00	FILTER, CERAMIC	
<CONNECTOR>			
CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
CNA22	*1-568-878-51	PIN, CONNECTOR 3P	
CNA61	$\Delta$ *1-508-765-11	PIN, CONNECTOR (5MM PITCH) 3P	
CNA62	$\Delta$ *1-580-844-11	PIN, CONNECTOR (POWER)	
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P	
CNA83	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
<TRIMMER>			
CT332	1-141-418-11	CAP, ADJ	
<DIODE>			
D002	8-719-920-55	DIODE SPR-54MW	
	*4-200-407-01	HOLDER, LED D002	
D004	8-719-104-34	DIODE 1S2836	
D006	8-719-400-18	DIODE MA152WK	
D007	8-719-400-18	DIODE MA152WK	
D008	8-719-105-82	DIODE RD5.1M-B2	
D009	8-719-105-82	DIODE RD5.1M-B2	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
D011	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D101	8-719-929-08	DIODE HZS7.5NB3	
D102	8-719-929-08	DIODE HZS7.5NB3	
D103	8-719-929-08	DIODE HZS7.5NB3	
D105	8-719-400-18	DIODE MA152WK	
D110	8-719-930-33	DIODE GL-3PR3	
D301	8-719-104-34	DIODE 1S2836	
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-104-34	DIODE 1S2836	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-104-34	DIODE 1S2836	
D333	8-719-911-19	DIODE 1SS119	
D334	8-719-104-34	DIODE 1S2836	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6.8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-929-12	DIODE HZS8.2NB3	
D406	8-719-929-12	DIODE HZS8.2NB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D412	8-719-010-34	DIODE UZ-4.7BSC	
D417	8-719-104-34	DIODE 1S2836	
D418	8-719-104-34	DIODE 1S2836	
D426	8-719-109-96	DIODE RD6.8ESB1	
D427	8-719-911-19	DIODE 1SS119	
D450	8-719-109-97	DIODE RD6.8ESB2	
D501	8-719-950-57	DIODE BYD33G	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D511	8-719-903-27	DIODE 1SS168	
D519	8-719-400-18	DIODE MA152WK	
D601	8-719-311-72	DIODE RBV-406H-01	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-908-03	DIODE GP08D	
D604	8-719-979-85	DIODE EGP20G	
D605	8-719-950-57	DIODE BYD33G	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-950-57	DIODE BYD33G	
D608	8-719-950-57	DIODE BYD33G	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-936-83	DIODE GP08D	
D611	8-719-303-49	DIODE R2M	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-979-85	DIODE EGP20G	
D803	8-719-950-57	DIODE BYD33G	
D805	8-719-950-57	DIODE BYD33G	
D806	8-719-964-64	DIODE RGP02-17	
D807	8-719-950-57	DIODE BYD33G	
D808	8-719-950-57	DIODE BYD33G	
D809	8-719-400-18	DIODE MA152WK	
D810	8-719-908-03	DIODE GP08D	
D811	8-719-908-03	DIODE GP08D	
D820	8-719-911-19	DIODE 1SS119	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<DELAY LINE>	
DL301	1-236-062-11	MODULE, Y DELAY LINE	
		<FUSE>	
F601	$\Delta$ 1-576-231-21	FUSE (H.B.C.) 4A/250V	
	4-201-057-01	COVER, FUSE; F601	
	1-533-230-12	HOLDER, FUSE; F601	
		<IC>	
IC001	8-759-062-07	IC PCA84C840P/016	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	DIODE UPC574J	
IC101	8-759-521-32	IC TDA3843-V3	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-505-39	IC TDA4660/V2	
IC302	8-759-512-04	IC TDA3505-V1	
IC331	8-759-521-22	IC TDA4650/V4	
IC501	8-759-113-05	IC UPC1488H	
	*4-389-343-11	SPRING, IC501	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
	*4-368-683-11	SPRING, TRANSISTOR IC601	
IC801	8-759-945-58	IC RC4558P	
IC802	8-759-604-39	IC L78M12L	
	*4-389-343-11	SPRING, IC802	
		<JACK>	
J401	1-695-551-11	SOCKET 21P	
		<COIL>	
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L104	1-408-399-00	INDUCTOR 1.5UH	
L106	1-408-415-00	INDUCTOR 33UH	
L107	1-408-410-00	INDUCTOR 12UH	
L110	1-408-409-00	INDUCTOR 10UH	
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L331	1-404-554-11	COIL	
L406	1-408-417-00	INDUCTOR 47UH	
L501	1-404-558-11	COIL	
L502	1-408-406-00	INDUCTOR 5.6UH	
L504	1-404-556-11	COIL	
L506	1-408-411-00	INDUCTOR 15UH	
L801	1-407-365-00	COIL, CHOKE	
L802	1-420-872-00	COIL, AIR CORE	
L804	1-459-856-11	COIL, FERRITE	
L805	1-408-236-00	INDUCTOR 2.7MMH	
L806	1-459-756-12	COIL, HORIZONTAL LINEARITY	
L807	1-410-067-21	INDUCTOR 4.7MMH	
L808	1-408-226-00	INDUCTOR 82UH	
LV301	1-404-554-11	COIL	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<IC LINK>				JR010	1-216-295-00	METAL GLAZE	0 5% 1/10W
PS801	$\Delta$ 1-532-679-00	LINK, IC (ICP-N15) 0.6A		JR011	1-216-295-00	METAL GLAZE	0 5% 1/10W
<TRANSISTOR>				JR012	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q001	8-729-230-49	TRANSISTOR 2SC2712-YG		JR015	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q003	8-729-901-01	TRANSISTOR DTC144EK		JR016	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q004	8-729-230-49	TRANSISTOR 2SC2712-YG		JR017	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q005	8-729-923-54	TRANSISTOR DTA143TK		JR018	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q006	8-729-922-66	TRANSISTOR 2SC2410SN		JR019	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q007	8-729-230-49	TRANSISTOR 2SC2712-YG		JR020	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q015	8-729-230-49	TRANSISTOR 2SC2712-YG		JR021	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q016	8-729-901-47	TRANSISTOR DTA143EK		JR022	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q017	8-729-216-22	TRANSISTOR 2SA1162G		JR023	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q019	8-729-901-06	TRANSISTOR DTA144EK		JR026	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q020	8-729-901-00	TRANSISTOR DTC124EK		JR028	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q101	8-729-901-47	TRANSISTOR DTA143EK		JR029	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q102	8-729-901-47	TRANSISTOR DTA143EK		JR034	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q103	8-729-901-47	TRANSISTOR DTA143EK		JR035	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG		JR036	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q105	8-729-901-01	TRANSISTOR DTC144EK		JR037	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q106	8-729-230-49	TRANSISTOR 2SC2712-YG		JR038	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q107	8-729-216-22	TRANSISTOR 2SA1162G		JR039	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q108	8-729-907-06	TRANSISTOR BF199-AMMO		JR040	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q109	8-729-902-99	TRANSISTOR DTC114TK		JR041	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q110	8-729-230-49	TRANSISTOR 2SC2712-YG		JR042	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q111	8-729-900-53	TRANSISTOR DTC114EK		JR044	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q112	8-729-230-49	TRANSISTOR 2SC2712-YG		JR060	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q113	8-729-901-00	TRANSISTOR DTC124EK		JR099	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q114	8-729-901-00	TRANSISTOR DTC124EK		JR101	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q115	8-729-901-00	TRANSISTOR DTC124EK		JR102	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q123	8-729-230-49	TRANSISTOR 2SC2712-YG		JR103	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q140	8-729-907-06	TRANSISTOR BF199-AMMO		JR104	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q141	8-729-014-99	TRANSISTOR BF959-AMMO		JR105	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG		JR106	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q303	8-729-230-49	TRANSISTOR 2SC2712-YG		JR107	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG		JR108	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q305	8-729-230-49	TRANSISTOR 2SC2712-YG		JR109	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q307	8-729-216-22	TRANSISTOR 2SA1162G		JR110	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q308	8-729-015-90	TRANSISTOR 2SD1383K		JR111	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q310	8-729-230-49	TRANSISTOR 2SC2712-YG		JR117	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q311	8-729-216-22	TRANSISTOR 2SA1162G		JR118	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG		JR123	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q457	8-729-216-22	TRANSISTOR 2SA1162G		JR125	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q501	8-729-901-00	TRANSISTOR DTC124EK		JR126	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q502	8-729-901-05	TRANSISTOR DTA124EK		JR127	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q503	8-729-901-01	TRANSISTOR DTC144EK		JR128	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG		JR129	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q505	8-729-216-22	TRANSISTOR 2SA1162G		JR130	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q601	8-729-906-74	TRANSISTOR BC637-16		JR131	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK		JR133	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q802	8-729-925-64	TRANSISTOR BU508AS2		JR134	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q803	8-729-904-27	TRANSISTOR 2SD1761-E		JR135	1-216-296-00	METAL GLAZE	0 5% 1/8W
<RESISTOR>				JR137	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR003	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR139	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR004	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR140	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR005	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR141	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR006	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR144	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR009	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR147	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR148	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR149	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JR150	1-216-296-00	METAL GLAZE	0 5% 1/8W

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REF.NO.	PART NO.	DESCRIPTION	REMARK
JR155	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR182	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR183	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR184	1-216-296-00	METAL GLAZE 0 5%	1/8W
JR186	1-216-296-00	METAL GLAZE 0 5%	1/8W
JRC138	1-216-295-00	METAL GLAZE 0 5%	1/10W
R001	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R002	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R003	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R004	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R005	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W
R006	1-216-254-00	METAL GLAZE 220K 5%	1/8W
R007	1-216-190-00	METAL GLAZE 470 5%	1/8W
R008	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R009	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R010	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R011	1-216-035-00	METAL GLAZE 270 5%	1/10W
R012	1-216-248-00	METAL GLAZE 120K 5%	1/8W
R013	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R014	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R015	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R016	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R017	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R018	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R019	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R020	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R021	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R022	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R023	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R024	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R025	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R026	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R028	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R029	1-216-041-00	METAL GLAZE 470 5%	1/10W
R030	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R031	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R032	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R033	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R034	1-216-238-00	METAL GLAZE 47K 5%	1/8W
R035	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R038	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R040	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R041	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R042	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R043	1-215-900-11	METAL OXIDE 22K 5%	2W
R044	1-216-105-00	METAL GLAZE 220K 5%	1/10W
R045	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R046	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R047	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R048	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W
R049	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R050	1-216-250-00	METAL GLAZE 150K 5%	1/8W
R051	1-216-295-00	METAL GLAZE 0 5%	1/10W
R052	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R053	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R054	1-249-395-11	CARBON 15 5%	1/4W
R055	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R056	1-216-041-00	METAL GLAZE 470 5%	1/10W
R058	1-249-434-11	CARBON 27K 5%	1/4W
R059	1-216-089-00	METAL GLAZE 47K 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R060	1-216-234-00	METAL GLAZE 33K 5%	1/8W
R061	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R062	1-216-242-00	METAL GLAZE 68K 5%	1/8W
R064	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R075	1-216-248-00	METAL GLAZE 120K 5%	1/8W
R076	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W
R077	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R078	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R079	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R081	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R082	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R083	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R084	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R086	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R087	1-216-027-00	METAL GLAZE 120 5%	1/10W
R094	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R095	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R096	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R097	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R099	1-216-228-00	METAL GLAZE 18K 5%	1/8W
R100	1-216-017-00	METAL GLAZE 47 5%	1/10W
R101	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R102	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R103	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R104	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R105	1-216-109-00	METAL GLAZE 330K 5%	1/10W
R106	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R109	1-216-190-00	METAL GLAZE 470 5%	1/8W
R111	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R112	1-249-411-11	CARBON 330 5%	1/4W
R113	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R114	1-216-238-00	METAL GLAZE 47K 5%	1/8W
R115	1-216-045-00	METAL GLAZE 680 5%	1/10W
R116	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R117	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R118	1-216-035-00	METAL GLAZE 270 5%	1/10W
R119	1-216-045-00	METAL GLAZE 680 5%	1/10W
R120	1-216-043-00	METAL GLAZE 560 5%	1/10W
R121	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R122	1-216-043-00	METAL GLAZE 560 5%	1/10W
R123	1-216-033-00	METAL GLAZE 220 5%	1/10W
R124	1-216-041-00	METAL GLAZE 470 5%	1/10W
R125	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R126	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R128	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R129	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R130	1-249-409-11	CARBON 220 5%	1/4W
R131	1-216-041-00	METAL GLAZE 470 5%	1/10W
R132	1-216-037-00	METAL GLAZE 330 5%	1/10W
R135	1-247-887-00	CARBON 220K 5%	1/4W
R136	1-216-041-00	METAL GLAZE 470 5%	1/10W
R138	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R139	1-216-295-00	METAL GLAZE 0 5%	1/10W
R140	1-216-037-00	METAL GLAZE 330 5%	1/10W
R141	1-216-021-00	METAL GLAZE 68 5%	1/10W
R142	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R143	1-216-033-00	METAL GLAZE 220 5%	1/10W
R144	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R145	1-216-031-00	METAL GLAZE 180 5%	1/10W
R146	1-216-033-00	METAL GLAZE 220 5%	1/10W



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R147	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R352	1-216-039-00	METAL GLAZE 390 5%	1/10W
R148	1-216-017-00	METAL GLAZE 47 5%	1/10W	R353	1-249-438-11	CARBON 56K 5%	1/4W
R149	1-216-182-00	METAL GLAZE 220 5%	1/8W	R354	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R151	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R355	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R152	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R356	1-216-041-00	METAL GLAZE 470 5%	1/10W
R153	1-215-867-00	METAL OXIDE 470 5%	1W	R357	1-216-039-00	METAL GLAZE 390 5%	1/10W
R154	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R360	1-216-001-00	METAL GLAZE 10 5%	1/10W
R155	1-216-250-00	METAL GLAZE 150K 5%	1/8W	R363	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R156	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R364	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R157	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R399	1-216-037-00	METAL GLAZE 330 5%	1/10W
R199	1-216-041-00	METAL GLAZE 470 5%	1/10W	R402	1-216-172-00	METAL GLAZE 82 5%	1/8W
R201	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R403	1-216-025-00	METAL GLAZE 100 5%	1/10W
R202	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R404	1-216-025-00	METAL GLAZE 100 5%	1/10W
R203	1-216-298-00	METAL GLAZE 2.2 5%	1/10W	R405	1-216-025-00	METAL GLAZE 100 5%	1/10W
R204	1-247-741-11	CARBON 150 5%	1/2W	R406	1-216-226-00	METAL GLAZE 15K 5%	1/8W
R205	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R407	1-216-226-00	METAL GLAZE 15K 5%	1/8W
R206	1-216-035-00	METAL GLAZE 270 5%	1/10W	R408	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R207	1-216-298-00	METAL GLAZE 2.2 5%	1/10W	R409	1-216-021-00	METAL GLAZE 68 5%	1/10W
R303	1-216-033-00	METAL GLAZE 220 5%	1/10W	R411	1-216-295-00	METAL GLAZE 0 5%	1/10W
R304	1-216-033-00	METAL GLAZE 220 5%	1/10W	R412	1-216-295-00	METAL GLAZE 0 5%	1/10W
R305	1-216-033-00	METAL GLAZE 220 5%	1/10W	R413	1-216-295-00	METAL GLAZE 0 5%	1/10W
R306	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	R414	1-216-041-00	METAL GLAZE 470 5%	1/10W
R307	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R420	1-216-182-00	METAL GLAZE 220 5%	1/8W
R308	1-216-033-00	METAL GLAZE 220 5%	1/10W	R423	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R309	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R424	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R310	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R425	1-216-033-00	METAL GLAZE 220 5%	1/10W
R311	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R426	1-216-045-00	METAL GLAZE 680 5%	1/10W
R312	1-216-174-00	METAL GLAZE 100 5%	1/8W	R427	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R313	1-216-174-00	METAL GLAZE 100 5%	1/8W	R428	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R314	1-216-025-00	METAL GLAZE 100 5%	1/10W	R430	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R315	1-216-047-00	METAL GLAZE 820 5%	1/10W	R432	1-249-403-11	CARBON 68 5%	1/4W
R316	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R433	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R317	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W	R434	1-216-029-00	METAL GLAZE 150 5%	1/10W
R320	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R435	1-216-033-00	METAL GLAZE 220 5%	1/10W
R321	1-216-023-00	METAL GLAZE 82 5%	1/10W	R436	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R322	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R437	1-216-101-00	METAL GLAZE 150K 5%	1/10W
R323	1-216-192-00	METAL GLAZE 560 5%	1/8W	R501	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R324	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R502	1-247-743-11	CARBON 220 5%	1/2W
R325	1-249-410-11	CARBON 270 5%	1/4W	R503	1-249-437-11	CARBON 47K 5%	1/4W
R326	1-216-035-00	METAL GLAZE 270 5%	1/10W	R504	1-216-017-00	METAL GLAZE 47 5%	1/10W
R327	1-216-121-00	METAL GLAZE 1M 5%	1/10W	R505	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R328	1-216-001-00	METAL GLAZE 10 5%	1/10W	R507	1-216-350-11	METAL OXIDE 1.2 5%	1W F
R329	1-216-109-00	METAL GLAZE 330K 5%	1/10W	R508	1-215-867-00	METAL OXIDE 470 5%	1W
R330	1-216-244-00	METAL GLAZE 82K 5%	1/8W	R509	1-216-294-00	METAL GLAZE 10M 5%	1/8W
R331	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R510	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R332	1-216-270-00	METAL GLAZE 1M 5%	1/8W	R511	1-216-244-00	METAL GLAZE 82K 5%	1/8W
R333	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R512	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R334	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W	R513	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R335	1-216-001-00	METAL GLAZE 10 5%	1/10W	R514	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R336	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	R515	1-216-683-11	METAL CHIP 22K 0.5% 1/10W	
R337	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R516	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R338	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R517	1-216-031-00	METAL GLAZE 180 5%	1/10W
R341	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R518	1-216-033-00	METAL GLAZE 220 5%	1/10W
R342	1-216-041-00	METAL GLAZE 470 5%	1/10W	R519	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R346	1-216-037-00	METAL GLAZE 330 5%	1/10W	R520	1-216-258-00	METAL GLAZE 330K 5%	1/8W
R347	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R521	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R348	1-216-033-00	METAL GLAZE 220 5%	1/10W	R522	1-215-863-11	METAL OXIDE 100 5%	1W
R349	1-216-029-00	METAL GLAZE 150 5%	1/10W	R523	1-247-754-11	CARBON 1.5K 5%	1/2W
R350	1-216-041-00	METAL GLAZE 470 5%	1/10W	R524	1-216-099-00	METAL GLAZE 120K 5%	1/10W
R351	1-216-043-00	METAL GLAZE 560 5%	1/10W	R525	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W

KV-M1400/M1401
RM-841

A KV-M1400B

A KV-M1400U/ M1401U/ M1400E
M1400L/ M1400A

Table with 4 columns: REF.NO., PART NO., DESCRIPTION, REMARK. Rows include various components like METAL GLAZE, METAL OXIDE, CARBON, FUSIBLE, WIREWOUND, and THERMISTOR with their respective part numbers and remarks.

Les composants identifiés par une trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and marked Δ are critical for safety. Replace only with part number specified.

Table with 4 columns: REF.NO., PART NO., DESCRIPTION, REMARK. Rows include components like RES, ADJ, CARBON, SWITCH, SPARK GAP, TRANSFORMER, THERMISTOR, TUNER, CRYSTAL, and CAPACITOR with their respective part numbers and remarks.

A	KV-M1400U / M1401U / M1400E
	M1400L / M1400A

REF.NO.	PART NO.	DESCRIPTION	REMARK
C009	1-124-907-11	ELECT 10MF	20% 50V
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C012	1-126-233-11	ELECT 22MF	20% 50V
C018	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C020	1-124-903-11	ELECT 1MF	20% 50V
C021	1-124-907-11	ELECT 10MF	20% 50V
C023	1-124-907-11	ELECT 10MF	20% 50V
C024	1-124-907-11	ELECT 10MF	20% 50V
C025	1-124-916-11	ELECT 22MF	20% 50V
C026	1-124-903-11	ELECT 1MF	20% 50V
C030	1-124-903-11	ELECT 1MF	20% 50V
C037	1-163-034-00	CERAMIC CHIP 0.033MF	50V
C038	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C039	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C041	1-124-478-11	ELECT 100MF	20% 25V
C055	1-163-075-00	CERAMIC CHIP 0.047MF	50V
C058	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V
C059	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C062	1-126-101-11	ELECT 100MF	20% 16V
C063	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C101	1-124-477-11	ELECT 47MF	20% 16V
C102	1-124-910-11	ELECT 47MF	20% 50V
C103	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C104	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C105	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C106	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C107	1-124-477-11	ELECT 47MF	(KV-M1400A ONLY) 20% 16V
C112	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
		(KV-M1400A/KV-M1400E ONLY)	
	1-163-115-00	CERAMIC CHIP 82PF	5% 50V
		(KV-M1400U/KV-M1401U ONLY)	
	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
		(KV-M1400L ONLY)	
C114	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
		(KV-M1400A/KV-M1400E ONLY)	
	1-163-115-00	CERAMIC CHIP 82PF	5% 50V
		(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C120	1-163-173-00	CERAMIC CHIP 47PF	5% 50V
C123	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
		(KV-M1400A/KV-M1400E ONLY)	
	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
		(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
C125	1-124-917-11	ELECT 33MF	20% 50V
C128	1-163-025-11	CERAMIC CHIP 0.001MF	50V
C130	1-136-171-00	FILM 0.33MF	5% 50V
C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C132	1-163-029-11	CERAMIC CHIP 0.0047MF	50V
C133	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C134	1-136-562-11	MYLAR 0.0082MF	10% 400V
C135	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C136	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C138	1-216-295-00	METAL GLAZE 0	5% 1/10W
C139	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C140	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C141	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C142	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C143	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C144	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C145	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	

REF.NO.	PART NO.	DESCRIPTION	REMARK
C146	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
C147	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
C148	1-164-665-11	CERAMIC CHIP 0.039MF	10% 50V
C149	1-124-119-00	ELECT 330MF	20% 16V
C151	1-124-907-11	ELECT 10MF	20% 50V
C154	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C157	1-124-927-11	ELECT 4.7MF	20% 50V
C160	1-163-117-11	CERAMIC CHIP 100PF	5% 50V
		(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
C161	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
		(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
C162	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
		(KV-M1400L ONLY)	
C163	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C201	1-124-916-11	ELECT 22MF	20% 50V
C202	1-124-925-11	ELECT 2.2MF	20% 50V
C203	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C204	1-124-480-11	ELECT 470MF	20% 25V
C206	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V
C207	1-124-925-11	ELECT 2.2MF	20% 50V
C208	1-126-104-11	ELECT 470MF	20% 35V
C209	1-124-910-11	ELECT 47MF	20% 50V
C210	1-106-228-00	MYLAR 0.22MF	10% 100V
C302	1-163-059-00	CERAMIC CHIP 0.01MF	50V
C303	1-163-059-00	CERAMIC CHIP 0.01MF	50V
C304	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C305	1-124-910-11	ELECT 47MF	20% 50V
C306	1-106-220-00	MYLAR 0.1MF	10% 100V
C307	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C308	1-124-910-11	ELECT 47MF	20% 50V
C309	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C314	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C316	1-163-377-11	CERAMIC CHIP 100PF	5% 50V
C317	1-163-093-00	CERAMIC CHIP 10PF	5% 50V
C318	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C319	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C321	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C323	1-163-055-00	CERAMIC CHIP 0.0047MF	10% 50V
C329	1-131-367-00	TANTALUM 22MF	10% 16V
C330	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C331	1-124-927-11	ELECT 4.7MF	20% 50V
C332	1-130-783-00	MYLAR 0.33MF	10% 100V
C333	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C334	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C335	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C337	1-130-834-00	MYLAR 1MF	10% 63V
C340	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
C341	1-130-783-00	MYLAR 0.33MF	10% 100V
C343	1-130-785-11	MYLAR 0.47MF	10% 100V
C344	1-106-383-00	MYLAR 0.047MF	10% 100V
C346	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C347	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C348	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C349	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C352	1-106-375-12	MYLAR 0.022MF	10% 250V
C353	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C354	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C355	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C357	1-163-031-11	CERAMIC CHIP 0.01MF	50V

# KV-M1400/M1401

RM-841

**A** KV-M1400U/ M1401U/ M1400E  
M1400L/ M1400A

Les composants identifiés par  
une trame et une marque  $\Delta$  sont  
critiques pour la sécurité. Ne les  
remplacer que par une pièce  
portant le numéro spécifié.

The components identified by  
shading and marked  $\Delta$  are critical  
for safety.  
Replace only with part number  
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C358	1-124-556-11	ELECT 2200MF 20%	16V
C360	1-124-903-11	ELECT 1MF 20%	50V
C362	1-163-117-00	CERAMIC CHIP 100PF 5%	50V (KV-M1400U/KV-M1401U ONLY)
C367	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C370	1-124-916-11	ELECT 22MF 20%	50V
C401	1-124-910-11	ELECT 47MF 20%	50V
C403	1-163-133-00	CERAMIC CHIP 470PF 5%	50V
C404	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C430	1-164-336-11	CERAMIC CHIP 0.33MF	25V
C431	1-124-910-11	ELECT 47MF 20%	50V
C432	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C433	1-124-916-11	ELECT 22MF 20%	25V
C434	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C475	1-124-916-11	ELECT 22MF 20%	50V
C476	1-108-702-11	MYLAR 0.068MF	10% 100V
C490	1-124-910-11	ELECT 47MF 20%	50V
C499	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
C501	1-163-181-00	CERAMIC CHIP 100PF 5%	50V
C502	1-163-005-11	CERAMIC CHIP 470PF 10%	50V
C503	1-163-181-00	CERAMIC CHIP 100PF 5%	50V
C504	1-124-122-11	ELECT 100MF 20%	50V
C505	1-124-916-11	ELECT 22MF 20%	50V
C506	1-106-228-00	MYLAR 0.22MF 10%	100V
C507	1-124-557-11	ELECT 1000MF 20%	25V
C508	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C509	1-162-568-11	CERAMIC CHIP 0.33MF 10%	16V
C510	1-163-081-00	CERAMIC CHIP 0.22MF	25V
C511	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C512	1-108-702-11	MYLAR 0.068MF 10%	100V
C513	1-124-927-11	ELECT 4.7MF 20%	50V
C514	1-136-298-00	FILM 0.0033MF 5%	100V
C515	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C516	1-163-113-00	CERAMIC CHIP 68PF 5%	50V
C517	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C518	1-163-115-00	CERAMIC CHIP 82PF 5%	50V (KV-M1400L ONLY)
C520	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C521	1-131-377-00	TANTALUM 10MF 10%	10V
C524	1-106-228-00	MYLAR 0.22MF 10%	100V
C525	1-108-702-11	MYLAR 0.068MF 10%	100V
C526	1-124-910-11	ELECT 47MF 20%	50V
C527	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V (KV-M1400A ONLY)
	1-163-017-00	CERAMIC CHIP 010047MF 10%	50V (KV-M1400E/KV-M1400L/KV-M1400U/KV-M1401U ONLY)
C529	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C530	1-163-197-00	CERAMIC CHIP 470PF 5%	50V
C531	1-163-113-00	CERAMIC CHIP 68PF 5%	50V (KV-M1400A/KV-M1400E ONLY)
C532	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C536	1-124-927-11	ELECT 4.7MF 20%	50V
C537	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C540	1-163-111-00	CERAMIC CHIP 56PF 5%	50V
C601	$\Delta$ 1-161-964-61	CERAMIC 0.0047MF	250V
C602	$\Delta$ 1-161-964-61	CERAMIC 0.0047MF	250V
C603	1-162-599-12	CERAMIC 0.0047MF	250V
C604	1-125-318-00	ELECT(BLOCK) 220MF 20%	400V
C605	1-161-754-00	CERAMIC 0.001MF 10%	2KV (KV-M1400A/KV-M1400E ONLY)
C606	1-104-728-11	FILM 0.047MF 10%	630V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C607	1-106-367-00	MYLAR 0.01MF 10%	400V
C608	1-161-753-00	CERAMIC 470PF 10%	3KV
C609	1-124-347-00	ELECT 100MF 20%	160V
C610	1-124-557-11	ELECT 1000MF 20%	25V
C612	1-102-228-00	CERAMIC 470PF 10%	500V
C614	1-126-101-11	ELECT 100MF 20%	16V
C618	1-124-916-11	ELECT 22MF 20%	50V
C621	$\Delta$ 1-136-517-11	FILM 0.22MF 20%	300V
C623	$\Delta$ 1-164-246-61	CERAMIC 0.0022MF 20%	400V
C624	1-161-754-00	CERAMIC 0.001MF 10%	2KV (KV-M1400A/KV-M1400E/KV-M1400U/KV-M1401U ONLY)
C625	$\Delta$ 1-136-517-11	FILM 0.22MF 20%	300V (KV-M1400A/KV-M1400E ONLY)
C626	$\Delta$ 1-163-161-00	CERAMIC 15PF 5%	50V (KV-M1400E ONLY)
C627	$\Delta$ 1-163-161-00	CERAMIC 15PF 5%	50V (KV-M1400E ONLY)
C633	1-161-742-00	CERAMIC 0.0022MF 20%	400V
C801	1-136-559-11	MYLAR 0.0047MF 10%	400V
C802	1-102-212-00	CERAMIC 820PF 10%	500V
C803	1-102-244-00	CERAMIC 220PF 10%	500V
C804	1-126-101-11	ELECT 100MF 20%	16V
C805	1-136-076-00	FILM 0.0085MF 3%	2KV
C806	1-106-389-00	MYLAR 0.082MF 10%	200V
C807	1-162-116-00	CERAMIC 680PF 10%	2KV
C808	1-136-932-11	FILM 0.82MF 5%	100V
C809	1-106-367-00	MYLAR 0.01MF 10%	400V
C811	1-136-540-11	FILM 0.82MF 5%	160V
C812	1-124-634-11	ELECT 1MF 20%	250V
C813	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C814	1-123-932-00	ELECT 4.7MF 20%	160V
C815	1-124-916-11	ELECT 22MF 20%	50V
C816	1-102-228-00	CERAMIC 470PF 10%	500V
C817	1-123-948-00	ELECT 22MF 20%	250V
C818	1-106-375-12	MYLAR 0.022MF 10%	250V
C819	1-162-114-00	CERAMIC 0.0047MF	2KV
C820	1-162-318-11	CERAMIC 0.001MF 10%	500V
C821	1-126-101-11	ELECT 100MF 20%	16V
C822	1-162-318-11	CERAMIC 0.001MF 10%	500V
C823	1-126-233-11	ELECT 22MF 20%	50V
C824	1-124-913-11	ELECT 470MF 20%	50V
C825	1-106-367-00	MYLAR 0.01MF 10%	400V
C826	1-104-724-91	FILM 0.1MF 10%	250V
C840	1-124-902-00	ELECT 0.47MF 20%	50V

<FILTER>

CD101	1-579-110-11	DISCRIMINATOR, CERAMIC (KV-M1400A/KV-M1400E ONLY)
	1-579-109-11	DISCRIMINATOR, CERAMIC (KV-M1400L/KV-M1400U/KV-M1401U ONLY)
CF501	1-404-801-11	TRAP, CERAMIC (KV-M1400A/KV-M1400E ONLY)
	1-409-429-11	TRAP, CERAMIC (KV-M1400L/KV-M1400U/KV-M1401U ONLY)
SWF101	1-579-120-11	FILTER, SURFACE WAVE (KV-M1400A/KV-M1400E ONLY)
	1-404-718-11	FILTER, SURFACE WAVE (KV-M1400L/KV-M1400U/KV-M1401U ONLY)
XF501	1-527-840-00	FILTER, CERAMIC (KV-M1400A/KV-M1400E ONLY)
	1-567-569-11	FILTER, CERAMIC (KV-M1400L/KV-M1400U/KV-M1401U ONLY)



The components identified by shading and marked  $\Delta$  are critical for safety.  
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**KV-M1400/M1401**  
RM-841

**A** KV-M1400U / M1401U / M1400E  
M1400L / M1400A

REF.NO.	PART NO.	DESCRIPTION	REMARK
<CONNECTOR>			
CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
CNA22	*1-568-878-51	PIN, CONNECTOR 3P	
CNA61	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CNA62	*1-580-844-11	PIN, CONNECTOR (POWER)	
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P	
CNA83	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
<TRIMMER>			
CT332	1-141-418-11	CAP, ADJ	
<DIODE>			
D002	8-719-920-55	DIODE SPR-54MVW	
	*4-200-407-01	HOLDER, LED D002	
D004	8-719-104-34	DIODE 1S2836	
D007	8-719-400-18	DIODE MA152WK	
D008	8-719-105-82	DIODE RD5.1MB2	
D009	8-719-105-82	DIODE RD5.1MB2	
D011	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D101	8-719-110-03	DIODE HZS7.5NB3	
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
D102	8-719-110-03	DIODE HZS7.5NB3	
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
D103	8-719-110-03	DIODE HZS7.5NB3	
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
D104	8-719-400-18	DIODE MA152WK	(KV-M1400A ONLY)
D110	8-719-010-38	DIODE UZ-5.1BSB	
D301	8-719-104-34	DIODE 1S2836	
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-104-34	DIODE 1S2836	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-104-34	DIODE 1S2836	
D334	8-719-104-34	DIODE 1S2836	
D402	8-719-109-97	DIODE RD6.8ESB2	
D403	8-719-109-97	DIODE RD6.8ESB2	
D404	8-719-109-97	DIODE RD6.8ESB2	
D405	8-719-929-12	DIODE HZS8.2NB3	
D406	8-719-929-12	DIODE HZS8.2NB3	
D411	8-719-109-97	DIODE RD6.8ESB2	
D417	8-719-104-34	DIODE 1S2836	
D418	8-719-104-34	DIODE 1S2836	
D426	8-719-911-19	DIODE 1SS119	
D427	8-719-911-19	DIODE 1SS119	
D450	8-719-109-97	DIODE RD6.8ESB2	
D501	8-719-950-57	DIODE BYD33G	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D519	8-719-400-18	DIODE MA152WK	
D601	8-719-311-72	DIODE RBV 406H 01	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-908-03	DIODE GP08DM	
D604	8-719-979-85	DIODE EGP20G	
D605	8-719-950-57	DIODE BYD33G	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-950-57	DIODE BYD33G	

REF.NO.	PART NO.	DESCRIPTION	REMARK
D608	8-719-950-57	DIODE BYD33G	
D609	8-719-908-03	DIODE GP08D	
D610	8-719-908-03	DIODE GP08D	
D611	8-719-303-49	DIODE R2M	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-979-85	DIODE EGP20G	
D803	8-719-950-57	DIODE BYD33	
D805	8-719-950-57	DIODE BYD33	
D806	8-719-976-64	DIODE RGP02-17	
D807	8-719-950-57	DIODE BYD33G	
D808	8-719-950-57	DIODE BYD33G	
D810	8-719-908-03	DIODE GP08D	
D811	8-719-908-03	DIODE GP08D	
D820	8-719-911-19	DIODE 1SS119	
<DELAY LINE>			
DL301	1-236-062-11	MODULE, Y DELAY LINE	
<FUSE>			
F601	$\Delta$ 1-576-231-21	FUSE (H.B.C.) 4A 250V	
	*4-201-057-01	COVER, FUSE	
<IC>			
IC001	8-759-062-07	IC PCA84C840P/016	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-741-139-80	IC BX-1398	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	DIODE UPC574J	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-505-39	IC TDA4660/V2	
IC302	8-759-512-04	IC TDA3505-V1	
IC331	8-759-513-46	IC TDA4510/V8	
IC501	8-759-113-05	IC UPC1488H	
	*4-389-343-11	SPRING, IC501	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
	*4-368-683-11	SPRING, TRANSISTOR IC601	
IC801	8-759-945-58	IC RC4558P	
IC802	8-759-604-39	IC M5F78M12L	
	*4-389-343-11	SPRING, IC802	
<JACK>			
J401	1-561-534-00	SOCKET, PIN 21P	
<COIL>			
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L105	1-410-872-21	INDUCTOR 10UH	
		(KV-M1400A ONLY)	
	1-535-303-00	LEAD, JUMPER (10.0MM)	
		(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
L106	1-408-415-00	INDUCTOR 33UH	
L107	1-408-410-00	INDUCTOR 12UH	
		(KV-M1400A/KV-M1400E ONLY)	
	1-408-409-00	INDUCTOR 10UH	
		(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
L110	1-408-409-00	INDUCTOR 10UH	
		(KV-M1400E/KV-M1400L/KV-M1400U/KV-M1401U ONLY)	

## KV-M1400/M1401

RM-841

A

KV-M1400U / M1401U / M1400E  
M1400L / M1400A

REF.NO.	PART NO.	DESCRIPTION	REMARK
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L406	1-408-417-00	INDUCTOR 47UH	
L407	1-410-872-21	INDUCTOR 10UH	
L501	1-404-493-00	COIL	
L502	1-408-407-00	INDUCTOR 6.8UH	
L506	1-408-411-00	INDUCTOR 15UH	
L801	1-407-365-00	COIL, CHOKE	
L802	1-420-872-00	COIL, AIR CORE	
L804	1-459-856-11	COIL, FERRITE	
L805	1-408-236-00	INDUCTOR 2.7MMH	
L806	1-459-756-12	COIL, HORIZONTAL LINEARITY	
L807	1-410-067-21	INDUCTOR 4.7MMH	
L808	1-408-226-00	INDUCTOR 82UH	
L809	1-407-504-00	INDUCTOR 10UH	

&lt;IC LINK&gt;

PS801 A 1-532-679-91 LINK, IC (ICP-N15) 0.6A

&lt;TRANSISTOR&gt;

Q001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q003	8-729-901-01	TRANSISTOR DTC144EK	
Q004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q005	8-729-923-54	TRANSISTOR DTA143TK	
Q006	8-729-922-66	TRANSISTOR 2SC2410S	
Q007	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q015	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q016	8-729-901-47	TRANSISTOR DTA143EK	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q019	8-729-901-06	TRANSISTOR DTA144EK	
Q020	8-729-901-00	TRANSISTOR DTC124EK	
Q101	8-729-901-47	TRANSISTOR DTA143EK (KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
Q102	8-729-901-47	TRANSISTOR DTA143EK (KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
Q103	8-729-901-47	TRANSISTOR DTA143EK (KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q106	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q107	8-729-216-22	TRANSISTOR 2SA1162-YG	
Q112	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q114	8-729-901-00	TRANSISTOR DTC124EK	
Q115	8-729-901-00	TRANSISTOR DTC124EK	
Q123	8-729-901-47	TRANSISTOR DTA143EK (KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
Q141	8-729-014-99	TRANSISTOR BF959-AMMO	
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q305	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q307	8-729-216-22	TRANSISTOR 2SA1162-G	
Q310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q311	8-729-216-22	TRANSISTOR 2SA1162-G	
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q457	8-729-216-22	TRANSISTOR 2SA1162-G	
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q505	8-729-216-22	TRANSISTOR 2SA1162-G	
Q601	8-729-906-74	TRANSISTOR BC637-16	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-925-64	TRANSISTOR BU508AS2	

Les composants identifiés par  
une trame et une marque  $\Delta$  sont  
critiques pour la sécurité. Ne les  
remplacer que par une pièce  
portant le numéro spécifique.

The components identified by  
shading and marked  $\Delta$  are critical  
for safety.  
Replace only with part number  
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q803	8-729-904-27	TRANSISTOR 2SD1761-E	
<RESISTOR>			
JR45	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400A/KV-M1400E ONLY)	
JR50	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400A/KV-M1400E ONLY)	
JR53	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR003	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR004	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR005	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR006	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR007	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR008	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR009	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR010	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR011	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR012	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR015	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR016	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR017	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR018	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR019	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR020	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR021	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR022	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR023	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR026	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR028	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR029	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR030	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR033	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400U/KV-M1401U ONLY)	
JR034	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR036	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR037	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR038	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR039	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR040	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400E/KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
JR041	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400E/KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
JR042	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400E/KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
JR044	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR051	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR052	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR060	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR099	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR101	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR102	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR103	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR104	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR105	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR106	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR108	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR109	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR110	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR111	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR116	1-216-296-00	METAL GLAZE 0 5% 1/8W (KV-M1400A/KV-M1400E/KV-M1400L ONLY)	

**A** KV-M1400U / M1401U / M1400E  
M1400L / M1400A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
JR117	1-216-296-00	METAL GLAZE 0 5%	1/8W	R026	1-216-089-00	METAL GLAZE 47K 5%	1/10W
JR118	1-216-296-00	METAL GLAZE 0 5%	1/8W	R028	1-216-085-00	METAL GLAZE 33K 5%	1/10W
JR123	1-216-296-00	METAL GLAZE 0 5%	1/8W	R029	1-216-041-00	METAL GLAZE 470 5%	1/10W
JR125	1-216-296-00	METAL GLAZE 0 5%	1/8W				
JR126	1-216-296-00	METAL GLAZE 0 5%	1/8W	R030	1-216-077-00	METAL GLAZE 15K 5%	1/10W
JR127	1-216-296-00	METAL GLAZE 0 5%	1/8W	R031	1-216-073-00	METAL GLAZE 10K 5%	1/10W
JR128	1-216-296-00	METAL GLAZE 0 5%	1/8W	R032	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
JR129	1-216-296-00	METAL GLAZE 0 5%	1/8W			(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
JR130	1-216-296-00	METAL GLAZE 0 5%	1/8W	R033	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
						(KV-M1400A/KV-M1400E/KV-M1400L ONLY)	
JR131	1-216-296-00	METAL GLAZE 0 5%	1/8W	R034	1-216-238-00	METAL GLAZE 47K 5%	1/8W
JR133	1-216-296-00	METAL GLAZE 0 5%	1/8W	R035	1-216-077-00	METAL GLAZE 15K 5%	1/10W
JR134	1-216-296-00	METAL GLAZE 0 5%	1/8W	R038	1-216-073-00	METAL GLAZE 10K 5%	1/10W
JR135	1-216-296-00	METAL GLAZE 0 5%	1/8W	R040	1-216-081-00	METAL GLAZE 22K 5%	1/10W
JR137	1-216-296-00	METAL GLAZE 0 5%	1/8W	R041	1-216-081-00	METAL GLAZE 22K 5%	1/10W
				R042	1-216-081-00	METAL GLAZE 22K 5%	1/10W
JR139	1-216-296-00	METAL GLAZE 0 5%	1/8W	R043	1-215-900-11	METAL OXIDE 22K 5%	2W
JR140	1-216-296-00	METAL GLAZE 0 5%	1/8W	R044	1-216-105-00	METAL GLAZE 220K 5%	1/10W
JR141	1-216-296-00	METAL GLAZE 0 5%	1/8W	R045	1-216-089-00	METAL GLAZE 47K 5%	1/10W
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)		R046	1-216-081-00	METAL GLAZE 22K 5%	1/10W
JR144	1-216-296-00	METAL GLAZE 0 5%	1/8W	R047	1-216-079-00	METAL GLAZE 18K 5%	1/10W
JR146	1-216-296-00	METAL GLAZE 0 5%	1/8W				
JR147	1-216-296-00	METAL GLAZE 0 5%	1/8W	R048	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W
JR148	1-216-296-00	METAL GLAZE 0 5%	1/8W	R049	1-216-073-00	METAL GLAZE 10K 5%	1/10W
JR149	1-216-296-00	METAL GLAZE 0 5%	1/8W	R050	1-216-250-00	METAL GLAZE 150K 5%	1/8W
JR150	1-216-296-00	METAL GLAZE 0 5%	1/8W	R051	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR151	1-216-296-00	METAL GLAZE 0 5%	1/8W	R052	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
		(KV-M1400A/KV-M1400E ONLY)					
JR152	1-216-296-00	METAL GLAZE 0 5%	1/8W	R053	1-216-049-00	METAL GLAZE 1K 5%	1/10W
		(KV-M1400A/KV-M1400E ONLY)		R054	1-249-395-11	CARBON 15 5%	1/4W
JR153	1-216-296-00	METAL GLAZE 0 5%	1/8W	R055	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
		(KV-M1400A/KV-M1400E ONLY)		R056	1-216-041-00	METAL GLAZE 470 5%	1/10W
JR155	1-216-296-00	METAL GLAZE 0 5%	1/8W	R058	1-249-434-11	CARBON 27K 5%	1/4W
JR181	1-216-296-00	METAL GLAZE 0 5%	1/8W				
JR182	1-216-296-00	METAL GLAZE 0 5%	1/8W	R059	1-216-089-00	METAL GLAZE 47K 5%	1/10W
JR183	1-216-296-00	METAL GLAZE 0 5%	1/8W	R060	1-216-234-00	METAL GLAZE 33K 5%	1/8W
JR184	1-216-296-00	METAL GLAZE 0 5%	1/8W	R061	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R001	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	R062	1-216-242-00	METAL GLAZE 68K 5%	1/8W
R002	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R064	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R003	1-216-081-00	METAL GLAZE 22K 5%	1/10W				
R004	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R072	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R005	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W	R075	1-216-248-00	METAL GLAZE 120K 5%	1/8W
		(KV-M1400A/KV-M1400E/KV-M1400L ONLY)		R076	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R006	1-216-254-00	METAL GLAZE 220K 5%	1/8W	R077	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R007	1-216-190-00	METAL GLAZE 470 5%	1/8W	R078	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R008	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R009	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R079	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R010	1-216-198-00	METAL GLAZE 1K 5%	1/8W	R081	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R011	1-216-035-00	METAL GLAZE 270 5%	1/10W	R082	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R012	1-216-248-00	METAL GLAZE 120K 5%	1/8W	R083	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R013	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R084	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R014	1-216-689-11	METAL GLAZE 39K 5%	1/10W				
R015	1-216-230-00	METAL GLAZE 22K 5%	1/8W	R087	1-216-027-00	METAL GLAZE 120 5%	1/10W
R016	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R094	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R017	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R095	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R018	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R096	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
				R097	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R019	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R020	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R099	1-216-228-00	METAL GLAZE 18K 5%	1/8W
R021	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R100	1-216-017-00	METAL GLAZE 47 5%	1/10W
R022	1-216-198-00	METAL GLAZE 1K 5%	1/8W	R101	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R023	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R102	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
				R103	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R024	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R025	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R104	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R105	1-216-109-00	METAL GLAZE 330K 5%	1/10W
				R106	1-216-081-00	METAL GLAZE 22K 5%	1/10W
				R107	1-216-073-00	METAL GLAZE 10K 5%	1/10W
						(KV-M1400A ONLY)	

**KV-M1400/M1401**  
**RM-841**

**A** KV-M1400U/ M1401U/ M1400E  
M1400L/ M1400A

REF.NO.	PART NO.	DESCRIPTION	REMARK
R108	1-216-049-00	METAL GLAZE 1K 5% 1/10W (KV-M1400A ONLY)	
R109	1-216-190-00	METAL GLAZE 470 5% 1/8W	
R110	1-249-437-11	CARBON 47K 5% 1/4W (KV-M1400E/KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
R111	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R112	1-249-411-11	CARBON 330 5% 1/4W	
R113	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R114	1-216-238-00	METAL GLAZE 47K 5% 1/8W	
R115	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R116	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R118	1-216-035-00	METAL GLAZE 270 5% 1/10W (KV-M1400A/KV-M1400E ONLY)	
	1-216-037-00	METAL GLAZE 330 5% 1/10W (KV-M1400U/KV-M1401U/KV-M1400L ONLY)	
R119	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R120	1-216-043-00	METAL GLAZE 560 5% 1/10W (KV-M1400U/KV-M1401U/KV-M1400L ONLY)	
R122	1-216-043-00	METAL GLAZE 560 5% 1/10W (KV-M1400U/KV-M1401U/KV-M1400L ONLY)	
R130	1-249-409-11	CARBON 220 5% 1/4W	
R131	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R132	1-216-295-00	METAL GLAZE 0 5% 1/10W (KV-M1400U/KV-M1401U/KV-M1400L ONLY)	
	1-216-035-00	METAL GLAZE 270 5% 1/10W (KV-M1400A/KV-M1400E ONLY)	
R133	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W (KV-M1400L ONLY)	
R136	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R138	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R139	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R140	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R141	1-216-021-00	METAL GLAZE 68 5% 1/10W	
R142	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R143	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R144	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R147	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R148	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R149	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R151	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R152	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R153	1-215-867-00	METAL OXIDE 470 5% 1W	
R199	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R201	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R202	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R203	1-216-298-00	METAL GLAZE 2.2 5% 1/10W	
R204	1-247-741-11	CARBON 150 5% 1/2W	
R205	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R206	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R207	1-216-298-00	METAL GLAZE 2.2 5% 1/10W	
R303	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R304	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R305	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R306	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R307	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R309	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R310	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R311	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R312	1-216-174-00	METAL GLAZE 100 5% 1/8W	
R313	1-216-174-00	METAL GLAZE 100 5% 1/8W	
R314	1-216-025-00	METAL GLAZE 100 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R315	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R317	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W	
R320	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R321	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R322	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R323	1-216-192-00	METAL GLAZE 560 5% 1/8W	
R324	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R325	1-249-410-11	CARBON 270 5% 1/4W	
R326	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R327	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R328	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R329	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
R330	1-216-244-00	METAL GLAZE 82K 5% 1/8W	
R331	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R332	1-216-270-00	METAL GLAZE 1M 5% 1/8W	
R333	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R334	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R335	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R336	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R337	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R338	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R344	1-247-848-11	CARBON 5.1K 5% 1/4W	
R345	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R347	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R348	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R349	1-216-029-00	METAL GLAZE 150 5% 1/10W	
R350	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R351	1-216-043-00	METAL GLAZE 560 5% 1/10W (KV-M1400A/KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W (KV-M1400E ONLY)	
R352	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R353	1-249-438-11	CARBON 56K 5% 1/4W	
R354	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R355	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R356	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R357	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R358	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R359	1-216-238-00	METAL GLAZE 47K 5% 1/8W	
R363	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
R364	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
R402	1-216-172-00	METAL GLAZE 82 5% 1/8W	
R403	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R404	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R405	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R406	1-216-226-00	METAL GLAZE 15K 5% 1/8W	
R407	1-216-226-00	METAL GLAZE 15K 5% 1/8W	
R408	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R409	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R411	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R412	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R413	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R414	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R420	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R423	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R424	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
R425	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R426	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R427	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R428	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R430	1-216-077-00	METAL GLAZE 15K 5% 1/10W	



The components identified by shading and marked  $\Delta$  are critical for safety.

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KV-M1400/M1401  
RM-841

**A** KV-M1400U / M1401U / M1400E  
M1400L / M1400A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R432	1-249-403-11	CARBON 68 5%	1/4W	R628	1-218-265-11	METAL GLAZE 8.2M 5%	1W
R433	1-216-079-00	METAL GLAZE 18K 5%	1/10W	R801	1-217-778-11	FUSIBLE 1K 5%	1W F
R434	1-216-029-00	METAL GLAZE 150 5%	1/10W	R802	1-217-826-11	FUSIBLE 10K 5%	1/4W
R435	1-216-033-00	METAL GLAZE 220 5%	1/10W	R803	1-216-355-11	METAL OXIDE 3.3 5%	1W F
R436	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R804	1-216-013-00	METAL GLAZE 33 5%	1/10W
R437	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R805	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R501	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W	R806	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R502	1-247-743-11	CARBON 220 5%	1/2W	R807	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R503	1-249-437-11	CARBON 47K 5%	1/4W	R808	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R504	1-216-017-00	METAL GLAZE 47 5%	1/10W	R809	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R505	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R810	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R507	1-216-350-11	METAL OXIDE 1.2 5%	1W F	R811	1-216-099-00	METAL GLAZE 120K 5%	1/10W
R508	1-215-867-00	METAL OXIDE 470 5%	1W	R812	1-217-778-11	FUSIBLE 1K 5%	1W F
R510	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R813	1-212-877-11	FUSIBLE 68 5%	1/4W
R511	1-216-244-00	METAL GLAZE 82K 5%	1/8W	R814	1-217-820-11	FUSIBLE 3.3K 5%	1/4W
R512	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R816	1-247-889-00	CARBON 270K 5%	1/4W
R513	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R817	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R514	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R818	1-202-830-00	SOLID 10K 10%	1/2W
R515	1-216-683-11	METAL CHIP 22K 0.50%	1/10W	R819	1-217-811-11	FUSIBLE 0.47 5%	1/4W
R516	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R820	1-217-811-11	FUSIBLE 0.47 5%	1/4W
R517	1-216-035-00	METAL GLAZE 270 5%	1/10W	R821	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
		(KV-M1400A/KV-M1400U/KV-M1401U ONLY)		R822	1-216-204-00	METAL GLAZE 1.8K 5%	1/8W
	1-216-031-00	METAL GLAZE 180 5%	1/10W	R824	1-215-863-11	METAL OXIDE 100 5%	1W
		(KV-M1400E/KV-M1400L ONLY)		R826	1-216-025-00	METAL GLAZE 100 5%	1/10W
R518	1-216-033-00	METAL GLAZE 220 5%	1/10W	R827	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R519	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R850	1-215-882-00	METAL OXIDE 22 5%	2W F
R520	1-216-258-00	METAL GLAZE 330K 5%	1/8W	R851	1-247-895-00	CARBON 470K 5%	1/4W
R521	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W			<VARIABLE RESISTOR>	
R522	1-215-863-11	METAL OXIDE 100 5%	1W	RV001	1-241-627-11	RES, ADJ, CARBON 1K	
R523	1-247-754-11	CARBON 1.5K 5%	1/2W	RV501	1-241-630-11	RES, ADJ, CARBON 10K	
R524	1-216-099-00	METAL GLAZE 120K 5%	1/10W	RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K	
R525	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	RV503	1-238-019-11	RES, ADJ, CARBON 47K	
R527	1-215-869-11	METAL OXIDE 1K 5%	1W	RV504	1-238-019-11	RES, ADJ, CARBON 47K	
R532	1-216-081-00	METAL GLAZE 22K 5%	1/10W	RV505	1-238-009-11	RES, ADJ, CARBON 220	
R533	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W	RV801	1-238-019-11	RES, ADJ, CARBON 47K	
R534	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W			<SWITCH>	
R535	1-216-107-00	METAL GLAZE 270K 5%	1/10W	S001	1-571-532-21	SWITCH, TACTIL	
R539	1-216-049-00	METAL GLAZE 1K 5%	1/10W	S002	1-571-532-21	SWITCH, TACTIL	
R542	1-216-025-00	METAL GLAZE 100 5%	1/10W	S003	1-571-532-21	SWITCH, TACTIL	
R543	1-249-408-11	CARBON 180 5%	1/4W	S601	$\Delta$ 1-571-433-12	SWITCH, PUSH (AC POWER)	
R545	1-216-278-00	METAL GLAZE 2.2M 5%	1/8W			<SPARK GAP>	
R548	1-216-049-00	METAL GLAZE 1K 5%	1/10W	SG801	1-519-422-11	GAP, SPARK	
R601	$\Delta$ 1-205-909-11	WIREWOUND 3.3 5%	10W			<TRANSFORMER>	
R602	1-214-923-00	CARBON 270K 5%	1/2W	T601	$\Delta$ 1-450-217-12	S.R.T	
R603	1-215-903-11	METAL OXIDE 68K 5%	2W	T603	$\Delta$ 1-421-776-11	LFT	
R604	1-247-752-11	CARBON 1K 5%	1/2W	T604	$\Delta$ 1-424-078-11	TRANSFORMER, TRIGGER PULSE	
R606	1-212-877-11	FUSIBLE 68 5%	1/4W	T605	$\Delta$ 1-424-391-11	TRANSFORMER, LINE FILTER	
R608	1-215-884-11	METAL OXIDE 47 5%	2W			(KV-M1400A/KV-M1400E ONLY)	
R609	1-207-905-00	WIREWOUND 0.27 10%	2W		$\Delta$ 1-421-862-11	TRANSFORMER, LINE FILTER	
R611	1-214-915-00	CARBON 120K 5%	1/2W			(KV-M1400L/KV-M1400U/KV-M1401U ONLY)	
R612	1-219-137-11	FUSIBLE 0.33 5%	1/4W	T801	1-437-090-00	HDT	
R613	1-217-811-11	FUSIBLE 0.47 5%	1/4W	T802	$\Delta$ 1-439-423-11	TRANSFORMER ASSY, FLYBACK (UX-1620)	
R614	1-216-037-00	METAL GLAZE 330 5%	1/10W				
R615	1-216-013-00	METAL GLAZE 33 5%	1/10W				
R617	1-216-354-11	METAL OXIDE 2.7 5%	1W F				
R620	1-216-465-11	METAL OXIDE 27K 5%	2W				
R621	1-216-465-11	METAL OXIDE 27K 5%	2W				
R626	$\Delta$ 1-216-238-00	METAL GLAZE 47K 5%	1/8W				
		(KV-M1400A ONLY)					
R627	$\Delta$ 1-216-238-00	METAL GLAZE 47K 5%	1/8W				
		(KV-M1400A ONLY)					

A

KV-M1400U / M1401U / M1400E  
M1400L / M1400A

C

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une trame et une marque  $\Delta$  sont  
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specified.

REF.NO. PART NO. DESCRIPTION REMARK

## &lt;THERMISTOR&gt;

THP601  $\Delta$  1-806-165-12 THERMISTOR (POSITIVE)

## &lt;TUNER&gt;

TU101 1-465-541-14 TUNER (BT-3C)  
(KV-M1400A/KV-M1400E ONLY)  
1-693-093-11 TUNER (BT-3C421)  
(KV-M1400L ONLY)  
1-465-542-13 TUNER (BT-3U601)  
(KV-M1400U/KV-M1401U ONLY)

## &lt;CRYSTAL&gt;

X001 1-577-619-11 VIBRATOR, CRYSTAL  
X332 1-567-131-00 OSCILLATOR, CRYSTAL

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\*A-1638-035-A C BOARD, COMPLETE (M1400A M1400E M1400B)  
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\*A-1638-022-A C BOARD, COMPLETE (M1400U M1401U M1400D)  
\*\*\*\*\* (M1401D M1400K M1401K)  
(M1400L)

\*4-374-912-01 COVER (MAIN), CV VOL  
\*4-374-913-01 COVER (REAR LID), CV VOL

C700 1-137-146-11 FILM 0.15MF 10% 250V  
C701 1-163-127-00 CERAMIC CHIP 270PF 5% 50V  
C702 1-163-127-00 CERAMIC CHIP 270PF 5% 50V  
C703 1-163-129-00 CERAMIC CHIP 330PF 5% 50V  
C704 1-163-005-11 CERAMIC CHIP 470PF 10% 50V

C705 1-163-005-11 CERAMIC CHIP 470PF 10% 50V  
C706 1-163-005-11 CERAMIC CHIP 470PF 10% 50V  
C707 1-123-947-00 ELECT 10MF 20% 250V  
C708 1-162-116-00 CERAMIC 680PF 10% 2KV  
C709 1-136-666-11 FILM 0.01MF 5% 1KV

C710 1-124-477-11 ELECT 47MF 20% 16V  
C711 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V  
C712 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V  
C713 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V  
C714 1-162-318-11 CERAMIC 0.001MF 10% 500V

## &lt;CONNECTOR&gt;

CNC71 \*1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P  
CNC72 \*1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P  
CNC73 \*1-568-881-51 PIN, CONNECTOR 6P  
CNC74 \*1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P

## &lt;DIODE&gt;

D701 8-719-400-18 DIODE MA152WK  
D702 8-719-400-18 DIODE MA152WK  
D703 8-719-400-18 DIODE MA152WK  
D704 8-719-400-18 DIODE MA152WK  
D705 8-719-400-18 DIODE MA152WK

D706 8-719-911-19 DIODE 1SS119  
D707 8-719-400-18 DIODE MA152WK  
D708 8-719-400-18 DIODE MA152WK  
D709 8-719-400-18 DIODE MA152WK  
D710 8-719-800-76 DIODE 1SS226

D711 8-719-800-76 DIODE 1SS226  
D712 8-719-800-76 DIODE 1SS226

REF.NO. PART NO. DESCRIPTION REMARK

## &lt;SOCKET&gt;

J901  $\Delta$  1-526-819-11 SOCKET, CRT

## &lt;TRANSISTOR&gt;

Q701 8-729-230-49 TRANSISTOR 2SC2712-YG  
Q702 8-729-230-49 TRANSISTOR 2SC2712-YG  
Q703 8-729-230-49 TRANSISTOR 2SC2712-YG  
Q704 8-729-906-70 TRANSISTOR BF871  
Q705 8-729-906-70 TRANSISTOR BF871  
  
Q706 8-729-906-70 TRANSISTOR BF871  
Q707 8-729-200-17 TRANSISTOR 2SA1091-0  
Q708 8-729-200-17 TRANSISTOR 2SA1091-0  
Q709 8-729-200-17 TRANSISTOR 2SA1091-0

## &lt;RESISTOR&gt;

JW121 1-216-296-00 METAL GLAZE 0 5% 1/8W  
R701 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W  
R702 1-216-210-00 METAL GLAZE 3.3K 5% 1/8W  
R703 1-216-045-00 METAL GLAZE 680 5% 1/10W  
R704 1-216-045-00 METAL GLAZE 680 5% 1/10W  
  
R705 1-216-017-00 METAL GLAZE 47 5% 1/10W  
R706 1-216-017-00 METAL GLAZE 47 5% 1/10W  
R707 1-216-017-00 METAL GLAZE 47 5% 1/10W  
R708 1-216-198-00 METAL GLAZE 1K 5% 1/8W  
  
R709 1-216-196-00 METAL GLAZE 820 5% 1/8W  
R710 1-249-413-11 CARBON 470 5% 1/4W  
R711 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W  
R712 1-247-893-11 CARBON 390K 5% 1/4W  
R713 1-247-883-00 CARBON 150K 5% 1/4W  
  
R714 1-216-198-00 METAL GLAZE 1K 5% 1/8W  
R715 1-216-198-00 METAL GLAZE 1K 5% 1/8W  
R716 1-216-049-00 METAL GLAZE 1K 5% 1/10W  
R717 1-202-824-00 SOLID 3.3K 10% 1/2W  
R718 1-202-824-00 SOLID 3.3K 10% 1/2W  
  
R719 1-202-824-00 SOLID 3.3K 10% 1/2W  
R720 1-216-463-00 METAL OXIDE 12K 5% 2W  
R721 1-216-463-00 METAL OXIDE 12K 5% 2W  
R722 1-216-463-00 METAL OXIDE 12K 5% 2W  
R723 1-249-398-11 CARBON 27 5% 1/4W F

R726 1-202-719-00 SOLID 1M 10% 1/2W  
R727 1-202-838-00 SOLID 100K 10% 1/2W  
R728 1-202-842-11 SOLID 220K 10% 1/2W  
R729 1-216-349-00 METAL OXIDE 1 5% 1W F  
R731 1-202-719-00 SOLID 1M 10% 1/2W

R732 1-216-262-00 METAL GLAZE 470K 5% 1/8W  
R734 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W  
R735 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W  
R736 1-249-421-11 CARBON 2.2K 5% 1/4W

## &lt;VARIABLE RESISTOR&gt;

RV701 1-228-721-00 RES, ADJ, CERAMIC CARBON 2.2K  
RV702 1-228-721-00 RES, ADJ, CERAMIC CARBON 2.2K  
RV703 1-230-641-11 RES, ADJ, METAL GLAZE 2.2M  
RV704 1-230-641-11 RES, ADJ, METAL GLAZE 2.2M  
RV705 1-230-798-11 RES, ADJ, METAL GLAZE 90M

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KV-M1400/M1401  
RM-841

J1

V KV-M1401K / M1401U / M1401

REF.NO. PART.NO. DESCRIPTION REMARK

\*1-647-154-11 PC BOARD, J1  
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<CAPACITOR>

C2200 1-163-031-11 CERAMIC CHIP 0.01MF 50V

<CONNECTOR>

CN2001 \*1-568-878-51 PIN, CONNECTOR 3P

<SOCKET>

J2201 1-562-837-11 JACK

<COIL>

L2201 1-408-409-00 INDUCTOR 10UH

\*\*\*\*\*

\*A-1645-020-A V BOARD, COMPLETE (M1401K)  
\*\*\*\*\*

\*A-1645-017-A V BOARD, COMPLETE (M1401U M1401D)  
\*\*\*\*\*

<CAPACITOR>

C1 1-126-101-11 ELECT 100MF 20% 16V  
C2 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C3 1-124-120-11 ELECT 220MF 20% 16V  
C4 1-163-077-00 CERAMIC CHIP 0.1MF 50V  
C5 1-124-120-11 ELECT 220MF 20% 16V

C6 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C7 1-163-235-11 CERAMIC CHIP 22PF 5% 50V  
C8 1-163-235-11 CERAMIC CHIP 22PF 5% 50V  
C9 1-163-235-11 CERAMIC CHIP 22PF 5% 50V  
C10 1-163-038-00 CERAMIC CHIP 0.1MF 25V

C11 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C12 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C13 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C14 1-124-927-11 ELECT 4.7MF 20% 50V  
C16 1-163-117-00 CERAMIC CHIP 100PF 5% 50V

C17 1-163-117-00 CERAMIC CHIP 100PF 5% 50V  
C23 1-124-927-11 ELECT 4.7MF 20% 50V  
C26 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C27 1-163-117-00 CERAMIC CHIP 100PF 5% 50V  
C28 1-163-117-00 CERAMIC CHIP 100PF 5% 50V

C29 1-163-117-00 CERAMIC CHIP 100PF 5% 50V  
C32 1-163-038-00 CERAMIC CHIP 0.1MF 25V  
C33 1-163-038-00 CERAMIC CHIP 0.1MF 25V

<CONNECTOR>

CNV1 \*1-565-393-11 CONNECTOR, BOARD TO BOARD  
CNV2 \*1-565-393-11 CONNECTOR, BOARD TO BOARD

<DIODE>

D1 8-719-105-91 DIODE RD5.6M-B2  
D3 8-719-914-44 DIODE DAP202K-T-147  
D5 8-719-914-44 DIODE DAP202K-T-147  
D6 8-719-400-18 DIODE MA152WK  
D9 8-719-106-17 DIODE RD6.8M-B2

<IC>

REF.NO. PART.NO. DESCRIPTION REMARK

IC2 8-759-515-59 IC SAA5246P/H (M1401K ONLY)  
8-759-045-54 IC SAA5246P/E/M4A (M1401D M1401U)  
IC3 8-759-510-49 IC FCB61C65L-70P

<COIL>

L1 1-408-403-00 INDUCTOR 3.3UH  
L2 1-408-407-00 INDUCTOR 6.8UH  
L3 1-408-407-00 INDUCTOR 6.8UH  
L4 1-408-407-00 INDUCTOR 6.8UH

<IC LINK>

PS1  $\Delta$  1-532-679-91 LINK, IC (ICP-N15) 0.6A

<TRANSISTOR>

Q1 8-729-900-53 TRANSISTOR DTC114EK  
Q2 8-729-920-92 TRANSISTOR 2SD2096-EF  
Q3 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R  
Q4 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R  
Q5 8-729-807-87 TRANSISTOR 2SB1295-UL6

Q6 8-729-807-87 TRANSISTOR 2SB1295-UL6  
Q7 8-729-807-87 TRANSISTOR 2SB1295-UL6  
Q9 8-729-901-04 TRANSISTOR DTA114EK  
Q10 8-729-901-01 TRANSISTOR DTC144EK  
Q11 8-729-901-01 TRANSISTOR DTC144EK

<RESISTOR>

JR01 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR02 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR03 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR08 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR09 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR11 1-216-295-00 METAL GLAZE 0 5% 1/10W  
(M1401D M1401U)  
JR14 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR15 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR17 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR18 1-216-296-00 METAL GLAZE 0 5% 1/8W

JR19 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR20 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR21 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR23 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR24 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR25 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR26 1-216-296-00 METAL GLAZE 0 5% 1/8W  
JR202 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR203 1-216-295-00 METAL GLAZE 0 5% 1/10W  
JR221 1-216-295-00 METAL GLAZE 0 5% 1/10W

JR222 1-216-295-00 METAL GLAZE 0 5% 1/10W  
R1 1-218-326-11 METAL GLAZE 470 5% 1/2W  
R2 1-216-214-00 METAL GLAZE 4.7K 5% 1/8W  
R3 1-216-049-00 METAL GLAZE 1K 5% 1/10W  
R4 1-216-025-00 METAL GLAZE 100 5% 1/10W

R5 1-216-047-00 METAL GLAZE 820 5% 1/10W  
R6 1-216-001-00 METAL GLAZE 10 5% 1/10W  
R7 1-216-083-00 METAL GLAZE 27K 5% 1/10W  
R8 1-216-071-00 METAL GLAZE 8.2K 5% 1/10W  
R9 1-216-308-00 METAL GLAZE 4.7 5% 1/10W

R10 1-218-325-11 METAL GLAZE 120 5% 1/4W  
R11 1-218-325-11 METAL GLAZE 120 5% 1/4W  
R12 1-218-325-11 METAL GLAZE 120 5% 1/4W  
R13 1-216-025-00 METAL GLAZE 100 5% 1/10W

**KV-M1400/M1401**  
RM-841

**V** KV-M1401K / M1401U / M1401D

REF.NO.	PART NO.	DESCRIPTION	REMARK
R14	1-216-001-00	METAL GLAZE 10 5%	1/10W
R15	1-216-013-00	METAL GLAZE 33 5%	1/10W
R16	1-216-013-00	METAL GLAZE 33 5%	1/10W
R17	1-216-013-00	METAL GLAZE 33 5%	1/10W
R18	1-216-025-00	METAL GLAZE 100 5%	1/10W
R19	1-216-025-00	METAL GLAZE 100 5%	1/10W
R21	1-216-013-00	METAL GLAZE 33 5%	1/10W
R22	1-216-168-00	METAL GLAZE 56 5%	1/8W
R23	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R40	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R42	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R49	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R50	1-216-296-00	METAL GLAZE 0 5%	1/8W

<VARIABLE RESISTOR>

RV1 1-241-627-11 RES, ADJ, CARBON 1K

<CRYSTAL>

X1 1-579-266-31 CRYSTAL VIBRATOR

\*\*\*\*\*  
ACCESSORIES AND PACKING MATERIALS  
\*\*\*\*\*

1-417-154-11	MATCHING TRANSFORMER, ANTENNA	
1-501-372-21	ANTENNA, TELESCOPIC	(M1400D M1401D M1400A M1400B) (M1400E M1400K M1401K M1400L)
1-501-385-11	ANTENNA, LOOP	(M1400U M1401U)
4-202-228-41	MANUAL, INSTRUCTION	(M1400A)
4-202-228-51	MANUAL, INSTRUCTION	(M1400B)
4-202-228-11	MANUAL, INSTRUCTION	(M1400D M1401D)
4-202-228-71	MANUAL, INSTRUCTION	(M1400E)
4-202-228-81	MANUAL, INSTRUCTION	(M1400K M1401K)
4-202-228-61	MANUAL, INSTRUCTION	(M1400L M1400U M1401U)
4-202-294-01	CUSHION (UPPER) (ASSY)	(M1400A M1400B M1400E)
4-202-294-11	CUSHION (UPPER) (ASSY)	(M1400D M1401D M1400K) (M1401K M1400U M1401U) (M1400L)
4-202-293-01	CUSHION (LOWER) (ASSY)	(M1400A M1400B M1400E)
4-202-293-11	CUSHION (LOWER) (ASSY)	(M1400D M1401D M1400K) (M1401K M1400U M1401U) (M1400L)
4-202-295-01	INDIVIDUAL CARTON	(M1400A M1400B M1400E)
4-202-309-01	INDIVIDUAL CARTON	(M1400D M1401D M1400K) (M1401K M1400U M1401U) (M1400L)
4-380-340-01	BAG, PROTECTION	(M1400A M1400B M1400E)
4-384-927-01	BAG, PROTECTION	(M1400D M1401D M1400K) (M1401K M1400U M1401U) (M1400L)

\*\*\*\*\*  
REMOTE COMMANDER  
\*\*\*\*\*

1-467-130-11	CONTROL UNIT, REMOTE (RM-841)
9-904-886-01	COVER, BATTERY (FOR RM-841)

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifié.

The components identified by shading and marked  $\Delta$  are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS *****	
$\Delta$	1-426-145-00	COIL, DEGAUSSING	
$\Delta$	1-451-249-31	DEFLECTION YOKE (Y14NDA2)	
	1-452-032-00	MAGNET, DISK; 10MM	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
	1-452-277-00	MAGNET, BMC	
	1-544-374-11	SPEAKER	
$\Delta$	1-690-296-11	CORD, POWER [WITH NOISE FILTER]	(M1400A)
$\Delta$	1-590-501-11	CORD, POWER [WITH NOISE FILTER]	(M1400D) (M1401D)
$\Delta$	1-590-460-11	CORD, POWER [WITH CONNECTOR]	(M1400K) (M1401K) (M1400E)
$\Delta$	1-690-270-11	CORD, POWER [WITH CONNECTOR]	(M1400B)
$\Delta$	1-590-762-11	CORD, POWER [WITH PLUG]	(M1400U) (M1401U) (M1400L)
$\Delta$	8-735-555-05	PICTURE TUBE (A34JBU10X)	



# SONY. SERVICE MANUAL

# BE-2A CHASSIS

6705

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-M1400K	RM-841	OIRT	SCC-E50G-A	KV-M1401D	RM-841	AEP	SCC-D85M-A
KV-M1401K	RM-841	OIRT	SCC-E50F-A	KV-M1400E	RM-841	Spanish	SCC-D87N-A
KV-M1400A	RM-841	Italian	SCC-D78J-A	KV-M1400U	RM-841	UK	SCC-D86Q-A
KV-M1400B	RM-841	French	SCC-E24G-A	KV-M1401U	RM-841	UK	SCC-D86P-A
KV-M1400D	RM-841	AEP	SCC-D85N-A	KV-M1400L	RM-841	Irish	SCC-D88H-A

## CORRECTION-1

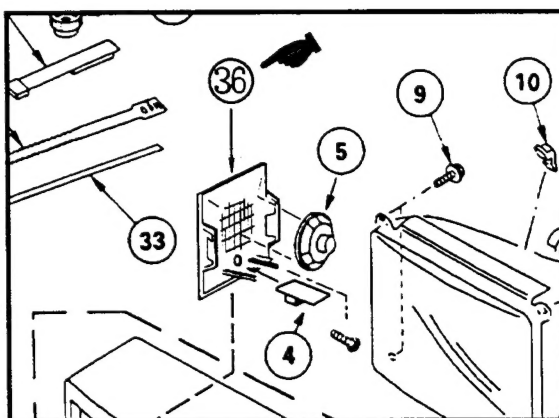
### SUBJECT : PART CHANGE

Correct the service manual as shown below.  
File this collection with the service manual.

 : Corrected portion

## SECTION 6 EXPLODED VIEWS

### 6-1. CHASSIS (See page 42)



REF. NO.	PART. NO.	DESCRIPTION
36	4-202-330-01	SPEAKER BRACKET (for BLACK) KV-M1400K, KV-M1401K, KV-M1400D, KV-M1401D
36	4-202-330-11	KV-M1400U, KV-M1401U, KV-M1400L
		SPEAKER BRACKET (for WHITE) KV-M1400D, KV-M1400U, KV-M1401U



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TV Group

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